

SOUTH PACIFIC BIRDS



John E. duPont

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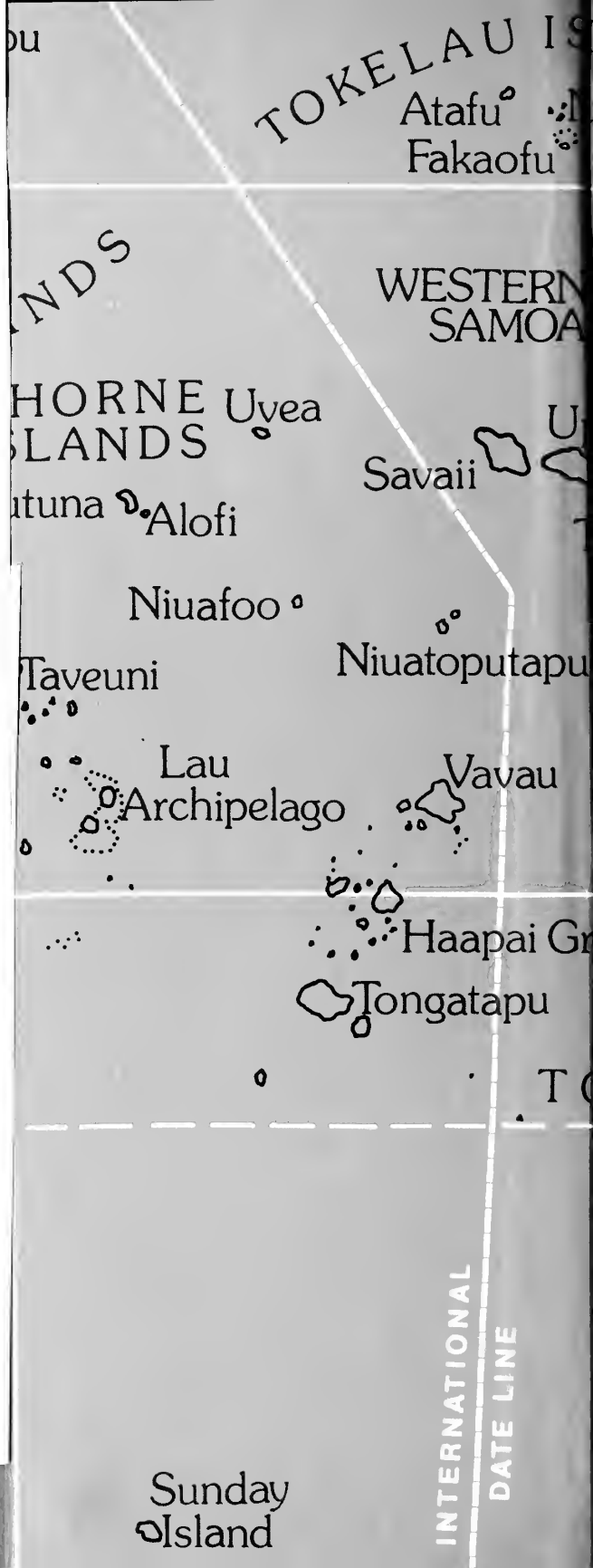
by John E. duPont

Fiji, Tonga, Samoa, the Marquesas—these are the names of just a few island groups that dot a vast area of the legendary and romantic South Pacific Ocean.

In view of the expanding modern world, it is important that someone record the present ornithological status of these islands. The author of this book has done just that. Here, for the first time in one volume, are the 183 species of birds from these exotic places.

Over 300 forms are described, and 181 species are shown in 226 separate drawings on 31 full-color plates. Some of these species have never before been illustrated; many have never appeared in color.

(Continued on back flap)



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Penrhyn

AMERICAN
SAMOA
Laysan Atoll

Rakahanga ° ° Manahiki

° Danger Atoll

° Nassau Island

Manua
Islands
la

°
Suvorov

ISLANDS

Palmerston

° Niue

COOK

Aitutaki °

Manuae ° ° °

Mitiaro

Atiu ° °

Mauke

Rarotonga °

Mangaia °

GA

TROPIC OF
CAPRICORN

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ERICAN
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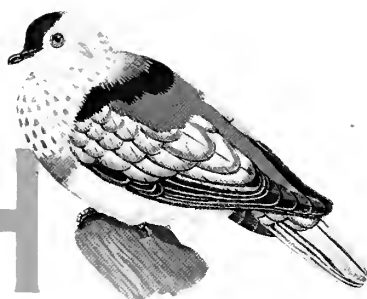
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SOUTH PACIFIC BIRDS

Delaware Museum of Natural History

Monograph Series No. 3

SOUTH PACIFIC BIRDS




by John E. duPont

Illustrations by George Sandström

1976

SOUTH PACIFIC BIRDS
by John E. duPont

Library of Congress catalog number: 75-23917

ISBN: 0-913176-04-4

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Editorial production and design by *Weidner Associates, Inc.*, Cinnaminson, New Jersey 08077. Manufactured in the United States of America. Color reproductions and printing by Beck Engraving Co., Inc., Philadelphia, Pa.

FOREWORD

Although John duPont and I have been friends for some years, having originally been drawn together through our common interest in the birds of the Philippine Islands, I confess that his work habits still baffle me. Somehow he must have found the secret of the thirty-hour day. As a principal member of the duPont industrial dynasty, his responsibilities in the management of major financial resources might be considered a full-time job by many people. But John has a quality of eager versatility, combined with an uncanny ability to focus on the immediate task at hand, that one cannot help admiring and envying. In indulging his several diverse enthusiasms, he is not content with mere hobby-level pursuits, but has sought to make genuine contributions to the fields of his interests. As an international athletic competitor himself, for example, he has quietly supported facilities for the training of young people in athletics. A boyhood interest in shell-collecting and in bird-watching eventually led to his founding the Delaware Museum of Natural History, now the custodian of some of the most important malacological and ornithological research collections in America.

A bibliophile, John duPont has a magnificent collection of the famous ornithological monographs of the nineteenth century. Although the era of these leather-bound folio volumes with hand-colored plates is now long over, there is no end to the production of new "bird books." At least half of those that have appeared in recent years have had little or no rationale beyond an acknowledgement by commercial publishers that bird books with colored pictures will sell well, to a voracious and largely uncritical market. But in choosing the subject matter for his own first two bird books, John duPont has tried to fill genuine needs. Until the appearance of his *Philippine Birds* in 1971, there had never been a complete set of colored illustrations of the birds of that fascinating archipelago. Nor has there ever been a handbook, illustrated or not, to the particular group of islands characterized as "South Pacific" in the present book.

I suspect the existence of a strong romantic streak in John duPont. The lure of the Pacific islands is legendary, but beyond their languorous climate and their hospitable human inhabitants lurks an intriguing and in some ways unique avifauna. Endemism is rampant on these remote bits of land in a huge and largely empty ocean, and flightless birds have evolved more often among the Pacific islands than anywhere else in the world. All too many Pacific species are either known or suspected to be

extinct, or are seriously threatened. John has made a special point of searching for some of these during his field trips, knowing in advance that he was probably doomed to disappointment but unwilling to concede the loss of a species until he had done his personal best to find it.

I need hardly say, then, that much of the information in the present book is rooted in John duPont's own field experience. He has also studied the collections of Pacific birds in all the major museums of North America, as well as in some of those abroad, and has uncovered any number of island records here published for the first time. In writing the text, he has broadened the format used in *Philippine Birds* by adding some ecological and life history notes to the species accounts, thus increasing the potential usefulness of the book.

Comparison of George Sandström's earliest bird paintings in *Philippine Birds* with those in this book clearly demonstrates his impressive growth as an ornithological artist. His illustrations for *South Pacific Birds* should ensure the book's value as a field guide, while the meticulous documentation of nomenclatural and distributional data provides an important reference work for the research ornithologist.

KENNETH C. PARKES
Carnegie Museum of Natural History
Pittsburgh, Pennsylvania
June 1975

INTRODUCTION

The South Pacific is a large expanse of ocean dotted with some of the most beautiful islands in the world. Most of the volcanic islands appeared during the Tertiary Period; some today are just atolls, whereas others rise to elevations of 8000 feet. The resident bird population came primarily from the Australian and Asian stock, with several intrusions over many thousands of years that left behind an ornithological complex of isolated species and subspecies. Man has affected this avifauna by extirpating some populations (directly or through habitat destruction) and by introducing alien species.

This text deals with the Fiji, Tongan, Samoan, Cook, Society, Tuamotu, Marquesas, Austral, Pitcairn, and Henderson Groups. Research has shown some discrepancy and inconsistency in the naming and spelling of place locations in these groups. Consequently, for the citation of localities under "Range," an attempt has been made here to minimize confusion by adhering, as much as possible, to the name and spelling as given in the gazetteers of *Official Standard Names Approved by the U. S. Board on Geographic Names*, prepared in the Office of Geography, Department of the Interior, Washington, D. C. For the convenience of the reader, a list of islands, including obsolete names and alternative spellings that appear in the ornithological literature, will be found in the "List of Island Names," following the main text.

Thirty years have passed since the appearance of Mayr's excellent *Birds of the Southwest Pacific*, which covered an area chiefly west of that in the present book, overlapping only from Fiji to Samoa. Since that time an increase in field explorations and nomenclatorial changes have necessitated a fresh survey of this complex avian fauna. The purpose of this book is to present a ready identification guide to all the known South Pacific birds, with a colored illustration of most species.

The format is as simple as possible. Taxonomy, nomenclature, and species sequence are a composite of Peters' *Check-list* and other standard sources, modified by recent revisions and the author's own studies. A standard English name has been chosen from among those in the most recent publications. A brief description supplements the color plates, and often includes plumages not figured. Original citations are given to scientific names that have been applied to South Pacific birds. The type localities are added in parentheses at the end of each bibliographic reference. In general, only the South Pacific range is given, except for the origin of migrants and strays. Islands from which the birds have been

recorded are listed alphabetically within major groups. A brief note about some of the life histories is in the "remarks" section.

The basic material used for research consisted of the field notes and specimens from the Whitney South Sea Expedition and other field notes and specimens in the American Museum of Natural History; specimens in the British Museum (Natural History) and specimens in the United States National Museum of Natural History; the ornithological literature; and the author's notes from his travels in the South Pacific. No comprehensive list of specimens collected by the Whitney Expedition was ever published. For some groups of birds, the island records accumulated by this Expedition are reported here for the first time.

All measurements are in millimeters and represent an average of a series. Soft-part colors have been taken from previous works and from labels; in the case of a discrepancy, the author has referred to his own field notes.

ACKNOWLEDGMENTS

I would like to express my deepest appreciation to Dr. Kenneth C. Parkes of the Carnegie Museum of Natural History and to Dr. David M. Niles of the Delaware Museum of Natural History. Both of these gentlemen read early versions of the text and offered invaluable suggestions in the planning and organizing of the book.

I am deeply indebted to His Majesty Taufa'ahaa Tupou IV, K.C.M.G., K.B.E., King of the Kingdom of Tonga, and to His Excellency the late Fiane Mataafa Faumuina Mulinu'u II, C.B.E., formerly Prime Minister of the Independent State of Western Samoa, for their personal help and that of their governments in connection with some of my field research work.

I would like to acknowledge my gratitude to Tofilau Luamanuvae Vaelua Eti, Cabinet Member of Western Samoa for his gracious hospitality on many occasions.

My thanks are also extended to the following persons for the loan of material, for locality records, and for kindnesses extended to me when I visited their institutions: Mr. Rodolphe Meyer de Schauensee and Dr. Frank B. Gill of the Academy of Natural Sciences of Philadelphia; Dr. Dean Amadon, Mr. John Farrand, Jr., Dr. Wesley E. Lanyon, Mrs. Mary K. LeCroy, and Dr. Lester L. Short of the American Museum of Natural History; Dr. David W. Snow, Dr. Philip J. Burton, and Mr. Ian C. J. Galbraith of the British Museum (Natural History); Dr. Laurence C. Binford of the California Academy of Sciences; Dr. Constantine W. Benson of the Cambridge University Museum; Mr. Melvin A. Traylor of the Chicago Field Museum; Dr. Oscar T. Owre of the University of Miami; Dr. S. Dillon Ripley, Dr. Storrs L. Olson, and Dr. Richard L. Zusi of the United States National Museum; and Dr. Charles G. Sibley of the Yale Peabody Museum.

I express gratitude to my secretary, Mrs. Lillian Moll, for her patience and care in preparing the manuscript for publication.

John E. duPont

CONTENTS

Foreword.....	V
Introduction.....	VII
Acknowledgments.....	IX
Systematic Arrangement of Families	
Diomedeidae—Albatrosses.....	1
Procellariidae—Petrels	3
Hydrobatidae—Storm-petrels	17
Phaethontidae—Tropicbirds.....	18
Sulidae—Boobies	20
Fregatidae—Frigatebirds	26
Ardeidae—Hérons	27
Anatidae—Ducks	28
Accipitridae—Hawks	30
Falconidae—Falcons	31
Megapodiidae—Megapodes.....	38
Phasianidae—Pheasants	38
Rallidae—Rails	39
Charadriidae—Plovers	44
Scolopacidae—Sandpipers	52
Stercorariidae—Skuas	58
Laridae—Gulls and Terns	59
Columbidae—Pigeons and Doves.....	66
Psittacidae—Parrots.....	85
Cuculidae—Cuckoos.....	98
Tytonidae—Barn Owls	100
Apodidae—Swifts	101
Alcedinidae—Kingfishers.....	107
Hirundinidae—Swallows	113
Campephagidae—Cuckoo-shrikes	113
Pycnonotidae—Bulbuls	121
Muscicapidae—Thrushes, Old World Warblers, Old World Flycatchers	121

Zosteropidae—White-eyes.....	157
Meliphagidae—Honey-eaters.....	161
Estrildidae—Grass Finches, Mannikins, Waxbills.....	167
Sturnidae—Starlings	171
Artamidae—Wood-swallows	181
Cracticidae—Butcherbirds	182
Bibliography	183
List of Island Names	193
Index.....	199

SOUTH PACIFIC BIRDS

DIOMEDEIDAE

ALBATROSSES

ROYAL ALBATROSS

PLATE 1

Diomedea epomophora Lesson, 1825

1825 *Diomedea epomophora* Lesson, Ann. Sci. Nat., 6:95 (Campbell Island)

Description: Male—all white, wing-coverts mottled with black, primaries black. Female—similar to male but wing-coverts entirely black. Nostrils open forward.

Soft Parts: Bill, upper mandible pink with a black lower edge, lower mandible pink; iris brown; feet fleshy white, webs bluish.

Measurements: Wing ♂ 693, ♀ 671; tail ♂ 215, ♀ 205; bill ♂ 193, ♀ 175; tarsus ♂ 137, ♀ 125.

Range: ? Fiji (one sight record)

Remarks: This bird is a rare straggler to the South Pacific from the Subantarctic. Extreme caution should be used when trying to distinguish it from the very similar Wandering Albatross.

WANDERING ALBATROSS

PLATE 1

Diomedea exulans Linnaeus, 1758

1758 *Diomedea exulans* Linnaeus, Syst. Nat., 1:132 (Cape of Good Hope)

Description: Similar to the *D. epomophora* and cannot be distinguished with certainty in the field. In the hand, the bill of *D. exulans* has the nostrils opening upward, whereas in *D. epomophora* the nostrils open forward.

Soft Parts: Bill pinkish cream; iris black; feet cream.

Measurements: Wing ♂ 635, ♀ 615; tail ♂ 220, ♀ 210; bill ♂ 170, ♀ 160; tarsus ♂ 115, ♀ 110.

Range: Visits Fiji (one record at sea) and the Marquesas Islands.

Remarks: This bird is a rare visitor to the South Pacific, but it should be looked for at sea.

BLACK-BROWED ALBATROSS

PLATE 1

Diomedea melanophris Temminck, 1828

1828 *Diomedea melanophris* Temminck, Pl. Col., livr. 77, pl. 456 (Cape of Good Hope)

Description: Head, neck, rump, upper tail-coverts, and underparts white; a small area before eye and a stripe behind eye blackish; back, wings, and tail black. Underside of wing white with black edges. Immature—darker under wings; cap and nape dusky; bill grayish green.

Soft Parts: Bill yellow with a fine black line at the base of the mandibles; iris brown; feet blue-gray.

Measurements: Wing ♂ 510, ♀ 500; tail ♂ 222, ♀ 210; bill ♂ 107, ♀ 104; tarsus ♂ 80, ♀ 76.

Range: Visits Fiji (one record) and Pitcairn Island from the Subantarctic.

Remarks: This albatross is a bird of the open seas.

LIGHT-MANTLED SOOTY ALBATROSS

PLATE 1

Phoebetria palpebrata (Forster, 1785)

1785 *Diomedea palpebrata* Forster, Mem. Math. Phys. Paris, 10:571 (47° S. lat. to 71°10' = 64° S., 38° E.)

Description: Top of head, nape, and mantle pale gray; face dark brown; wings and tail dark gray; breast and belly gray.

Soft Parts: Bill black with blue groove in lower mandible; iris hazel; incomplete eye-ring white; feet pink.

Measurements: Wing ♂ 540, ♀ 518; tail ♂ 296, ♀ 283; bill ♂ 110, ♀ 108; tarsus ♂ 75, ♀ 73.

Range: Visits the Marquesas Islands from the Subantarctic.

Remarks: This albatross is a bird of the open seas.

PROCELLARIIDAE

PETRELS

GIANT PETREL

PLATE 2

Macronectes giganteus (Gmelin, 1789)

1789 *Procellaria gigantea* Gmelin, Syst. Nat., 1:563 (Staten Island)

Description: Entire bird uniform dark brown with slightly paler margins to the feathers. This species also occurs in a scarcer pale gray phase.

Soft Parts: Bill pale yellowish horn; iris brown; feet dark gray.

Measurements: Wing ♂ 510, ♀ 495; tail ♂ 178, ♀ 175; bill 105; tarsus 88.

Range: Visits the Austral Islands (one record), Fiji, and the Tuamotu Archipelago as a visitor from the Subantarctic region. Its subspecific identity is uncertain.

CAPE PIGEON or PINTADO PETREL

PLATE 2

Daption capense (Linnaeus, 1758)

1758 *Procellaria capensis* Linnaeus, Syst. Nat., 1:132 (Cape of Good Hope)

Description: Head and neck very dull dark blue-gray; back, rump, and wing-coverts white, feathers tipped with sooty black, giving a spotted appearance; wing primaries dark blackish brown with large white patch at base; tail white with a terminal blackish brown band; chin and throat white with a few brown spots; rest of underparts white.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 260, ♀ 256; tail ♂ 105, ♀ 100; bill 35; tarsus 42.

Range: Visits the Marquesas Islands (rarely) from the Subantarctic.

TAHITI PETREL

PLATE 2

Pterodroma rostrata rostrata (Peale, 1848)

1848 *Procellaria rostrata* Peale, U. S. Expl. Expd., 8:296 (Mountains about 6000' on Tahiti, Society Islands)

Description: Head, neck, and all upperparts dark brown; breast, belly, and under tail-coverts white.

Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus flesh color.

Measurements: Wing ♂ 297, ♀ 289; tail ♂ 115, ♀ 116; bill 36; tarsus 48.

Range: This bird breeds on the Marquesas Islands and the Society Islands.

PLATE 1

- A ROYAL ALBATROSS
(*Diomedea epomophora*), male—page 1
 - B ROYAL ALBATROSS
(*Diomedea epomophora*)—page 1
 - C WANDERING ALBATROSS
(*Diomedea exulans*)—page 1
 - D LIGHT-MANTLED SOOTY ALBATROSS
(*Phoebastria palpebrata*), male—page 2
 - E BLACK-BROWED ALBATROSS
(*Diomedea melanophris*), male—page 2
-



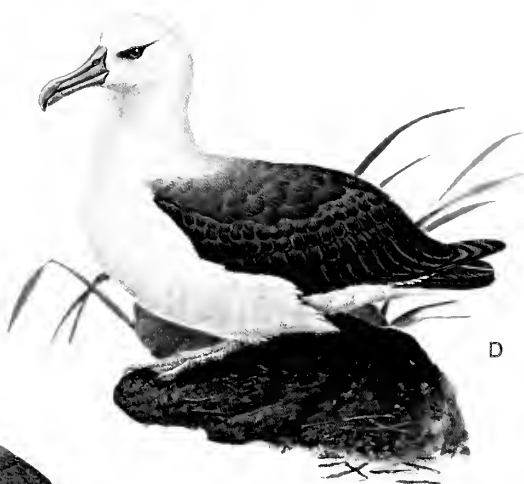
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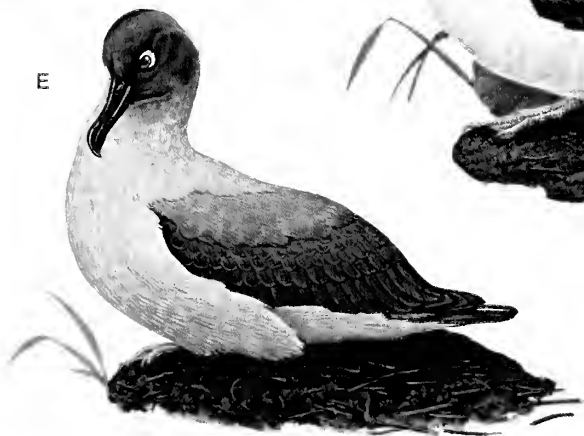
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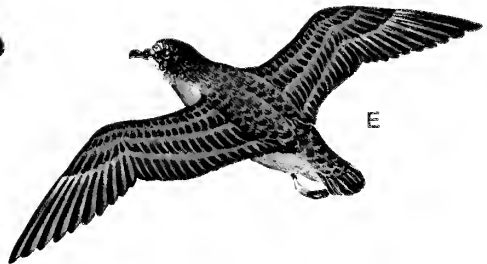
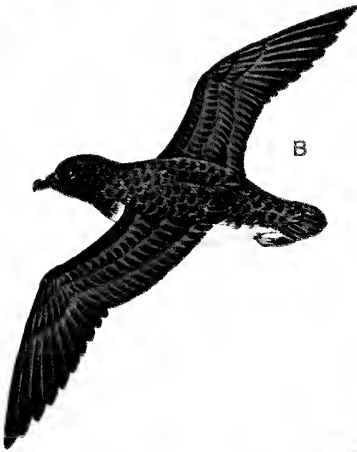
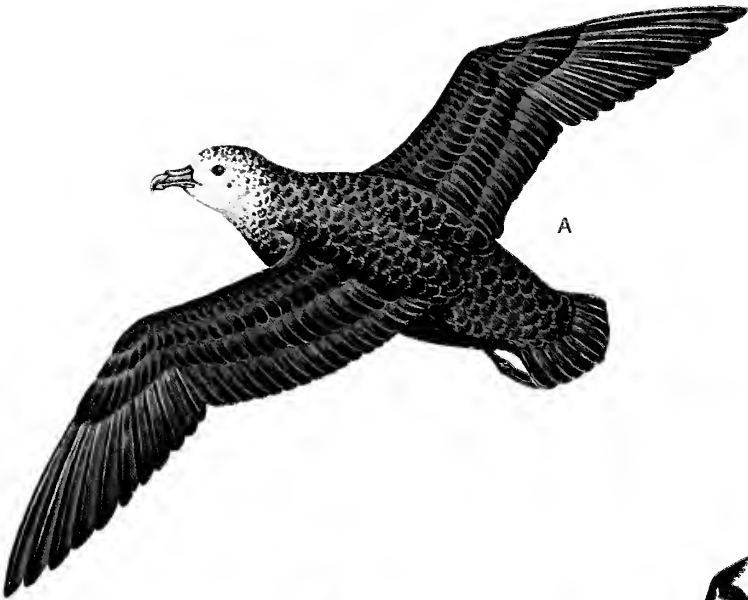
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PLATE 1

SANDSTRÖM

PLATE 2

- A GIANT PETREL
(*Macronectes giganteus*), male—page 3
 - B TAHITI PETREL
(*Pterodroma rostrata*), male—page 3
 - C CAPE PIGEON or PINTADO PETREL
(*Daption capense*), male—page 3
 - D PHOENIX PETREL
(*Pterodroma alba*), male—page 8
 - E MURPHY'S PETREL
(*Pterodroma ultima*), male—page 8
-



PHOENIX PETREL

PLATE 2

***Pterodroma alba* (Gmelin, 1789)**

- 1789 *Procellaria alba* Gmelin, Syst. Nat., 1:565 (Turtle and Christmas Islands = Christmas Island)
 1848 *Procellaria parvirostris* Peale, U. S. Expl. Expd., 8:298 (Pukapuka Island, Tuamotu Group)
 1902 *Oestrelata wortheni* Rothschild, Bull. Brit. Orn. Cl., 12:62 (lat. 3° S., long. 118°45' W., Pacific Ocean)

Description: Head, face, collar on hind neck, and upperparts brownish black; breast and belly white; under tail-coverts white barred with grayish black.

Soft Parts: Bill black; iris blackish; feet black, upper one third and tarsus whitish.

Measurements: Wing ♂ 276, ♀ 276; tail ♂ 112, ♀ 112; bill 27; tarsus 33.

Range: Breeds on Ducie, Henderson Island, the Marquesas Islands, Oeno, Tonga, and the Tuamotu Archipelago. Visits Pitcairn Island, the Samoas, and the Society Islands.

MURPHY'S PETREL

PLATE 2

***Pterodroma ultima* Murphy, 1949**

- 1949 *Pterodroma ultima* Murphy, Ornith. als bio. Wissenschaft, Festschrift zum 60. Geburtstag von Erwin Stresemann, Heidelberg, p. 89 (Oeno Island, subtropical South Pacific)

Description: Forehead, chin, and throat white mottled with sooty gray; rest of bird sooty gray.

Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus whitish.

Measurements: Wing ♂ 279, ♀ 282; tail ♂ 113, ♀ 113; bill 29; tarsus 38.

Range: Breeds on the Austral Islands, Ducie, Henderson Island, Oeno, and the Tuamotu Archipelago. Visits Pitcairn Island and the Society Islands.

KERMADEC PETREL

PLATE 3

***Pterodroma neglecta* (Schlegel, 1863)**

- 1863 *Procellaria neglecta* Schlegel, Mus. Pays-Bas, 6:10 (Sunday Island, Kermadec Group)

Description: This petrel comes in many color phases, varying from almost black to ones with pale gray upperparts and pure white underparts. This species differs from others by having the shaft streaks of the primaries white and the tail more square.

Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus pinkish flesh.

Measurements: Wing ♂ 290, ♀ 289; tail ♂ 100, ♀ 101; bill 30; tarsus 38.

Range: Breeds on the Austral Islands, Ducie, Oeno, and the Tuamotu Archipelago. Visits Henderson Island and Pitcairn Island.

HERALD PETREL

PLATE 3

***Pterodroma arminjoniana heraldica* (Salvin, 1888)**

1888 *Aestrelata heraldica* Salvin, Ibis, p. 357 (Chesterfield Islands)

Description: This petrel has many color phases, with upperparts brownish and underparts whitish; but it usually has the forehead and lores scaled with white, the collar on the hind neck grayish, and the under tail-coverts mottled with white.

Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus whitish.

Measurements: Wing ♂ 278, ♀ 277; tail ♂ 106, ♀ 105; bill 27; tarsus 33.

Range: Breeds on Ducie, Henderson Island, the Marquesas Islands, Oeno, Tonga, and the Tuamotu Archipelago. Visits Pitcairn Island and the Society Islands.

COLLARED PETREL

PLATE 3

***Pterodroma leucoptera brevipes* (Peale, 1848)**

1848 *Procellaria brevipes* Peale, U. S. Expl. Expd., 8:294 (lat. 68° S., long. 95° W.)

Description: Crown, nape, and sides of breast dark sooty gray; back and rump gray; wings and tail sooty black; underparts white.

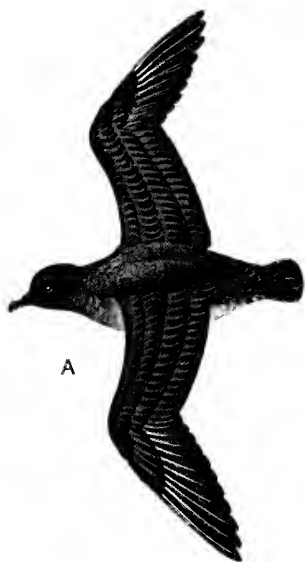
Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus bluish white.

Measurements: Wing ♂ 218, ♀ 216; tail ♂ 95, ♀ 95; bill 24; tarsus 26.

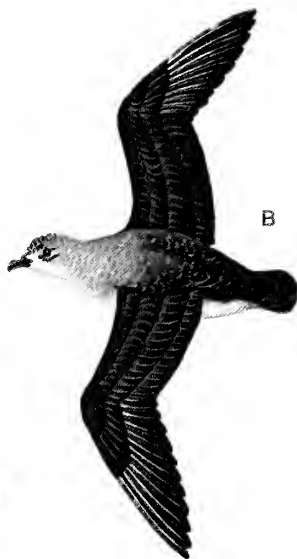
Range: Breeds on Fiji and the Samoas. Visits the Tuamotu Archipelago.

PLATE 3

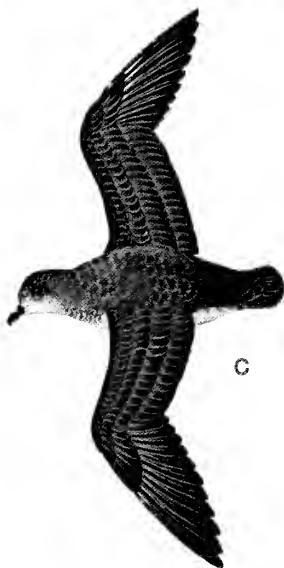
- A KERMADEC PETREL
(*Pterodroma neglecta*), female—page 8
 - B KERMADEC PETREL
(*Pterodroma neglecta*), male—page 8
 - C HERALD PETREL
(*Pterodroma arminjoniana*), male—page 9
 - D COLLARED PETREL
(*Pterodroma leucoptera*), male—page 9
 - E BLACK-WINGED PETREL
(*Pterodroma axillaris*), male—page 12
-



A



B



C



D



E

PLATE 3

BLACK-WINGED PETREL

PLATE 3

Pterodroma axillaris nigripennis (Rothschild, 1893)

1893 *Aestrelata nigripennis* Rothschild, Bull. Brit. Orn. Cl., 1:57 (Kermadec Islands)

Description: Crown, nape, back, and sides of breast gray; rump whitish; wings and tail sooty black; underparts white.

Soft Parts: Bill black; iris brown; feet black, upper one third and tarsus flesh color.

Measurements: Wing ♂ 227, ♀ 226; tail ♂ 98, ♀ 98; bill 24; tarsus 30.

Range: Visits the Austral Islands, the Marquesas Islands, and the Society Islands from the south.

BULWER'S PETREL

PLATE 4

Bulweria bulwerii (Jardine and Selby, 1828)

1828 *Procellaria bulwerii** Jardine and Selby, Ill. Orn., 2, pl. 65 (Madeira)

1915 *Bulweria bulweri pacifica* Mathews and Iredale, Ibis, p. 607 (Iwojima, Bonin Islands)

Description: Entire bird sooty brown with a forked tail.

Soft Parts: Bill black; iris brown; feet blackish.

Measurements: Wing ♂ 201, ♀ 195; tail ♂ 107, ♀ 105; bill 21; tarsus 27.

Range: Breeds on the Marquesas Islands. Visits Fiji and the Society Islands.

SOOTY SHEARWATER

PLATE 4

Puffinus griseus (Gmelin, 1789)

1789 *Procellaria grisea* Gmelin, Syst. Nat., 1:564 (New Zealand)

Description: Entire bird dark brown; the wings and tail darker; the underside of wing contrastingly pale.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 295, ♀ 293; tail ♂ 88, ♀ 88; bill 41; tarsus 55.

Range: Visits the Marquesas Islands and the Society Islands from New Zealand.

* *Bulweria macgillivrayi* (G. R. Gray, 1859)

This species is known from only one specimen collected at Ngau, Fiji, in 1855 and differs only by having a slightly larger bill and paler wing-coverts. This may be a possible variant specimen of *bulwerii*.

SLENDER-BILLED SHEARWATER

PLATE 4

Puffinus tenuirostris (Temminck, 1835)

1835 *Procellaria tenuirostris* Temminck, Pl. Col., livr. 99, text to pl. 587 (seas north of Japan and shores of Korea)

Description: Entire bird sooty brown; chin and throat sometimes almost dirty white; rest of underparts pale sooty brown, often with a grayish wash.

Soft Parts: Bill blackish; iris dark brown; feet blackish.

Measurements: Wing ♂ 274, ♀ 271; tail ♂ 81, ♀ 80; bill 33; tarsus 51.

Range: Visits the Samoas and the Tuamotu Archipelago (one record each) from the Northwest Pacific Ocean.

PALE-FOOTED SHEARWATER

PLATE 4

Puffinus carneipes Gould, 1844

1844 *Puffinus carneipes* Gould, Ann. Mag. Nat. Hist., 13:365 (small islands off Cape Leeuwin, West Australia)

Description: Entire bird dark brown; head, wings, and tail darker.

Soft Parts: Bill flesh color with a black tip; iris brown; feet flesh color.

Measurements: Wing ♂ 326, ♀ 323; tail ♂ 112, ♀ 111; bill 41; tarsus 53.

Range: Visits the Samoas from the Subantarctic region.

WEDGE-TAILED SHEARWATER

PLATE 4

Puffinus pacificus pacificus (Gmelin, 1789)

1789 *Procellaria pacifica* Gmelin, Syst. Nat., 1:560 (Pacific Ocean = Kermadec Islands)

1925 *Puffinus pacificus whitneyi* Lowe, Bull. Brit. Orn. Cl., 45:106 (Kandavu Island, Fiji)

Description: Upperparts dark brown, with wings and tail darker; face, chin, and throat gray-brown; rest of underparts brown with a grayish cast. A scarce pale gray-white bellied phase also may be found.

Soft Parts: Bill dark blue-black; iris brown; feet pale flesh color.

Measurements: Wing ♂ 309, ♀ 308; tail ♂ 136, ♀ 137; bill 40; tarsus 50.

Range: Breeds on the Austral Islands, Fiji, Henderson Island, the Marquesas Islands, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago.

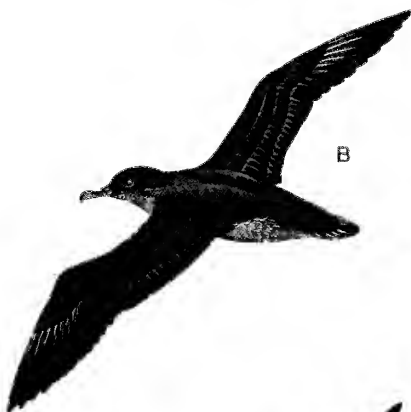
PLATE 4

- A BULWER'S PETREL
(*Bulweria bulwerii*), male—page 12
- B SOOTY SHEARWATER
(*Puffinus griseus*), male—page 12
- C SLENDER-BILLED SHEARWATER
(*Puffinus tenuirostris*), male—page 13
- D PALE-FOOTED SHEARWATER
(*Puffinus carneipes*), male—page 13
- E WEDGE-TAILED SHEARWATER
(*Puffinus pacificus*), male—page 13
- F CHRISTMAS SHEARWATER
(*Puffinus nativitatis*), male—page 16
-

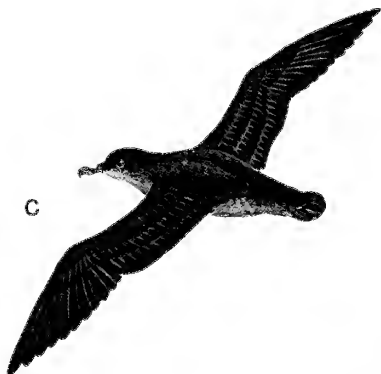
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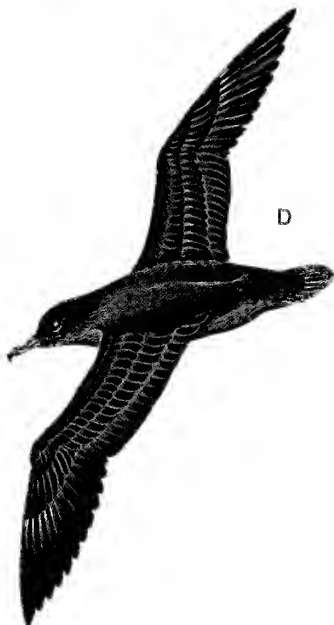
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C



D



E



F



CHRISTMAS SHEARWATER

PLATE 4

***Puffinus nativitatis* Streets, 1877**

1877 *Puffinus (Nectris) nativitatis* Streets, Bull. U. S. Nat. Mus., 7:29 (Christmas Island, Pacific Ocean)

Description: A small, dark brown bird with the wings and tail somewhat darker.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 249, ♀ 245; tail ♂ 95, ♀ 95; bill 32; tarsus 44.

Range: Breeds on the Austral Islands, the Marquesas Islands, Oeno, and the Tuamotu Archipelago. Visits the Cook Islands, Ducie, Henderson Island, Pitcairn Island, and the Society Islands.

LITTLE SHEARWATER

PLATE 5

***Puffinus assimilis assimilis* Gould, 1838**

1838 *Puffinus assimilis* Gould, Syn. Bds. Austr., pt. 4, app. 7 (New South Wales = Norfolk Island)

Description: Upperparts very dark gray with a bluish cast in some light; underparts white.

Soft Parts: Bill black; iris brown; feet bluish.

Measurements: Wing ♂ 188, ♀ 184; tail ♂ 73, ♀ 71; bill 29; tarsus 38.

Range: Visits the Austral Islands and the Marquesas Islands from the Subantarctic region.

AUDUBON'S SHEARWATER

PLATE 5

***Puffinus lherminieri polynesiae* Murphy, 1927**

1927 *Puffinus lherminieri polynesiae* Murphy, Am. Mus. Novit., 276:8 (Tahiti, Society Islands)

Description: All upperparts and underparts sooty black, with wing primaries and tail somewhat darker; underparts white.

Soft Parts: Bill black; iris dark brown; feet blackish.

Measurements: Wing ♂ 203, ♀ 202; tail ♂ 83, ♀ 82; bill 29; tarsus 30.

Range: Breeds on Fiji, the Marquesas Islands, the Samoas, the Society Islands, and the Tuamotu Archipelago. Visits Tonga.

HYDROBATIDAE

STORM-PETRELS

WHITE-BELLIED STORM-PETREL

PLATE 5

***Fregetta grallaria titan* Murphy, 1928**

1928 *Fregetta grallaria titan* Murphy, Am. Mus. Novit., 322:4 (Rapa Island, Austral Group, South Pacific)

Description: Upperparts sooty black, with feathers of back having whitish borders; rump white; wings and tail dull black; chin, throat, and under tail-coverts sooty black; breast, belly, and a patch under the wings white.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 181, ♀ 184; tail ♂ 82, ♀ 83; bill 15; tarsus 40.

Range: Breeds on the Austral Islands (Rapa). Visits the Marquesas Islands and the Society Islands.

***Fregetta grallaria grallaria* (Vieillot, 1817)**

1817 *Procellaria grallaria* Vieillot, Nouv. Dict. d'Hist. Nat., 25:418 (Juan Fernandez = New South Wales)

1848 *Thalassidroma lineata* Peale, U. S. Expl. Expd., 8:293 (Upolu, Samoan Islands)

Description: Differs from *F. g. titan* by being smaller. A female collected in the Marquesas measured as follows: wing 165; tail 73; bill 14; tarsus 38.

Range: Marquesas Islands (Ua Pu) (once)

Western Samoa (Upolu) (three old records)

This race may be a rare straggler to the South Pacific from the southern waters.

BLACK-BELLIED STORM-PETREL

PLATE 5

***Fregetta tropica* (Gould, 1844)**

1844 *Thalassidroma tropica* Gould, Ann. Mag. Nat. Hist., 13:366 (Atlantic Ocean in lat. 33° N., long. 18°6' W.)

1848 *Thalassidroma lineata* Peale, U. S. Expl. Expd., 8:293 (Upolu Island, Samoa)

Description: Upperparts sooty black; rump white; wings and tail dull black; chin and throat white with sooty tips to feathers; lower throat and breast sooty black; belly and flanks white, with a sooty black stripe down the center of the belly, varying in width.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 160, ♀ 163; tail ♂ 72, ♀ 74; bill 15; tarsus 41.

Range: Visits the Marquesas Islands and the Samoas from the Northern Hemisphere.

WHITE-THROATED STORM-PETREL

PLATE 5

***Nesofregatta albigularis* (Finsch, 1877)**

1877 *Procellaria albigularis* Finsch, Proc. Zool. Soc. London, p. 722 (Kandavu, Fiji Islands)

1879 *Fregatta moestissima* Salvin, Proc. Zool. Soc. London, p. 130 (Samoan Islands)

Description: Upperparts, wings, and deeply forked tail sooty black; rump white; underparts white with a sooty brown breast band.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 186, ♀ 183; tail ♂ 96, ♀ 95; bill 16; tarsus 42.

Range: Breeds on Fiji, the Marquesas Islands, and the Samoas. Visits the Society Islands and the Tuamotu Archipelago.

LEACH'S STORM-PETREL

PLATE 5

***Oceanodroma leucorhoa* (Vieillot, 1817)**

1817 *Procellaria leucorhoa* Vieillot, Nouv. Dict. d'Hist. Nat., 25:422 (maritime parts of Picardy)

Description: Upperparts sooty brown, rump somewhat paler; wing primaries and tail dull black; underparts sooty brown.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 150, ♀ 152; tail ♂ 75, ♀ 75; bill 15; tarsus 22.

Range: Visits the Marquesas Islands (rarely). Subspecific identity uncertain.

PHAETHONTIDAE

TROPICBIRDS

RED-BILLED TROPICBIRD

PLATE 6

***Phaethon aethereus mesonauta* Peters, 1930**

1930 *Phaethon aethereus mesonauta* Peters, Occ. Papers Boston Soc. Nat. His., 5:261 (Swan Key, Almirante Bay, Panama)

Description: Entire bird white with upperparts barred with black; long white tail streamers. Immature—similar to adults but have a black stripe that runs from the eyes and joins behind the crown.

Soft Parts: Bill red (yellow bills in immatures); iris brown; feet yellowish flesh color, plantar surface gray.

Measurements: Wing ♂ 290, ♀ 285; tail 105, streamers 440; bill 60; tarsus 25.

Range: Breeds on the Marquesas Islands. Visits Fiji, the ?Samoas, and the Tuamotu Archipelago.

RED-TAILED TROPICBIRD

PLATE 6

***Phaethon rubricauda melanorhynchos* Gmelin, 1789**

1789 *Phaeton* (sic) *melanorhynchos* Gmelin, Syst. Nat., 1:582 (Turtle and Palmerston Islands)

Description: Entire bird white, with a black eye stripe; long red tail streamers. Immature—similar to adults but has black barring on the upperparts.

Soft Parts: Bill red (black to orange in immatures); iris brown; feet blue-black.

Measurements: Wing ♂ 345, ♀ 338; tail 97, streamers 450; bill 65; tarsus 26.

Range: Breeds on the Austral Islands, the Cook Islands, Ducie, Fiji, Henderson Island, the Marquesas Islands, Oeno, Pitcairn Island, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago.

WHITE-TAILED TROPICBIRD

PLATE 6

***Phaethon lepturus dorotheae* Mathews, 1913**

1913 *Phaethon lepturus dorotheae* Mathews, Austr. Av. Rec., 2:7 (Queensland)

Description: All white except for a stripe through the eye and outer primaries; a bar on the base of the wing; and the flanks, which are black. Immature—barred black and white on upperparts.

Soft Parts: Bill greenish yellow to orange-yellow, base gray; iris dark brown; legs pinkish; feet black.

Measurements: Wing ♂ 270, ♀ 266; tail 135, streamers 410; bill 53; tarsus 20.

Range: Breeds on the Austral Islands, Fiji, the Marquesas Islands, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits the Cook Islands.

Remarks: This bird is usually found around steep cliffs; however, it also may be seen far at sea.

SULIDAE

BOOBIES

MASKED BOOBY

PLATE 6

***Sula dactylatra personata* Gould, 1846**

1846 *Sula personata* Gould, Proc. Zool. Soc. London, p. 21 (north and northeast coasts of Australia = Raine Island, north Queensland)

Description: All white except for wings and tail, which are dark brown. Immature—differs by having head, throat, and mantle dark brown.

Soft Parts: Bill, male yellow, female pinkish or greenish; face blue-black; iris yellow; feet olive-brown. Immature—bill brown; feet black.

Measurements: Wing ♂ 445, ♀ 436; tail ♂ 189, ♀ 186; bill 104; tarsus 55.

Range: Breeds on Ducie, Fiji, Henderson Island, Oeno, the Samoas, and the Tuamotu Archipelago. Visits the Cook Islands, the Marquesas Islands, Pitcairn Island, and the Society Islands.

Remarks: This bird is usually found on uninhabited islands where there are trees. It can often be seen flying over the ocean.

BROWN BOOBY

PLATE 6

***Sula leucogaster plotus* (Forster, 1844)**

1844 *Pelecanus Plotus* Forster, Descr. Anim., ed. Licht., p. 278 (near New Caledonia)

Description: Head, neck, and upperparts brown; underparts white. Immature—all brown with yellow legs.

Soft Parts: Bill mainly gray; base of bill and naked skin of face and throat blue in males, yellow-green in females. Feet greenish yellow in males, yellow in females. Immature—bill greenish white; face skin and feet greenish yellow.

Measurements: Wing ♂ 400, ♀ 390; tail ♂ 200, ♀ 196; bill 110; tarsus 41.

Range: Breeds on the Austral Islands, Fiji, the Marquesas Islands, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits the Cook Islands, Henderson Island, Pitcairn Island, and the Samoas.

Remarks: This species likes islands where there are lots of rocky cliffs. It also likes uninhabited islands and often flies out to investigate approaching boats.

RED-FOOTED BOOBY

PLATE 6

Sula sula rubripes Gould, 1838

1838 *Sula rubripes* Gould, Syn. Bds. Austr., pt. 4, app. 7 (New South Wales = Raine Island, northern Queensland)

Description: White phase—all white (head washed with yellow) except for primaries and most of secondaries, which are black. Dark phase—all brown. Various intermediate steps exist. Immature—like dark phase adult but feet yellow, not red.

Soft Parts: Bill blue with brown tip and red base; face and throat bluish; iris brown; feet red.

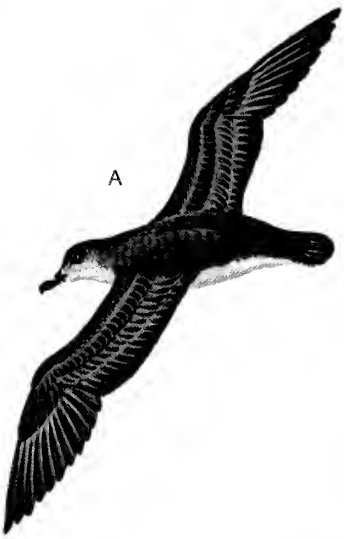
Measurements: Wing ♂ 390, ♀ 375; tail ♂ 220, ♀ 215; bill 78; tarsus 36.

Range: Breeds on the Austral Islands, Fiji, the Marquesas Islands, Oeno, the Samoas, the Society Islands, and the Tuamotu Archipelago. Visits the Cook Islands, Ducie, Henderson Island, Pitcairn Island, and Tonga.

Remarks: This bird of the ocean is usually found around uninhabited islands, especially those with trees.

PLATE 5

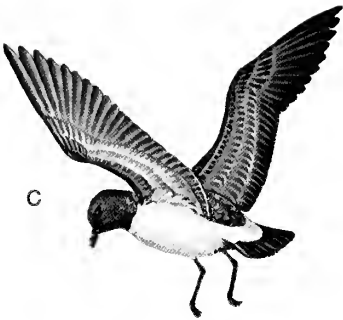
- A LITTLE SHEARWATER
(*Puffinus assimilis*), male—page 16
- B AUDUBON'S SHEARWATER
(*Puffinus lherminieri*), male—page 16
- C WHITE-BELLIED STORM-PETREL
(*Fregetta grallaria*), male—page 17
- D BLACK-BELLIED STORM-PETREL
(*Fregetta tropica*), male—page 17
- E WHITE-THROATED STORM-PETREL
(*Nesofregetta albigularis*), male—page 18
- F LEACH'S STORM-PETREL
(*Oceanodroma leucorhoa*), male—page 18
-



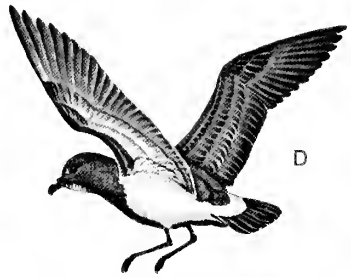
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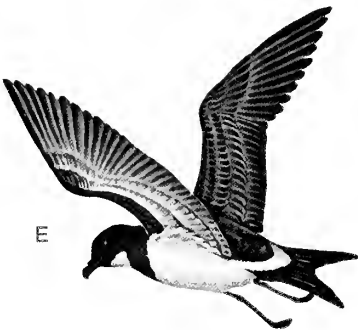
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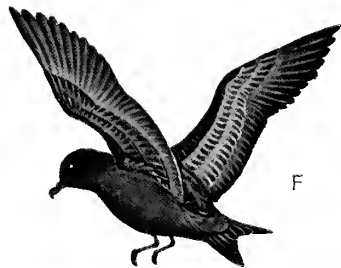
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D



E



F

PLATE 6

- A RED-BILLED TROPICBIRD
(*Phaethon aethereus*), male—page 18
- B WHITE-TAILED TROPICBIRD
(*Phaethon lepturus*), male—page 19
- C RED-TAILED TROPICBIRD
(*Phaethon rubricauda*), male—page 19
- D MASKED BOOBY
(*Sula dactylatra*), male—page 20
- E BROWN BOOBY
(*Sula leucogaster*), male—page 20
- F RED-FOOTED BOOBY
(*Sula sula*), male—page 21
- G GREATER FRIGATEBIRD
(*Fregata minor*), male—page 26
- H GREATER FRIGATEBIRD
(*Fregata minor*), female—page 26
- I LESSER FRIGATEBIRD
(*Fregata ariel*), male—page 26
- J LESSER FRIGATEBIRD
(*Fregata ariel*), female—page 26
-



PLATE 6

SANDSTRÖM

FREGATIDAE

FRIGATEBIRDS

GREATER FRIGATEBIRD

PLATE 6

***Fregata minor palmerstoni* (Gmelin, 1789)**

1789 *Pelecanus Palmerstoni* Gmelin, Syst. Nat., 1:573 (Palmerston Island, Pacific Ocean)

Description: Male—upperparts dark brown-black; wing-coverts buffy brown; underparts brown-black. Female—similar but has throat and breast white. Immature—head whitish or rufous; bill and throat blue-gray; feet white. Otherwise similar to adult female.

Soft Parts: Bill, male black, female red; throat pouch in male red; iris dark brown; feet, male blackish brown, female pink.

Measurements: Wing ♂ 551, ♀ 590; tail ♂ 400, ♀ 405; bill ♂ 95, ♀ 115; tarsus ♂ 14, ♀ 15.

Range: Breeds on the Marquesas Islands, Oeno, the Society Islands, and the Tuamotu Archipelago. Visits the Austral Islands, the Cook Islands, Ducie, Fiji, Henderson Island, Pitcairn Island, the Samoas, and Tonga.

Remarks: This is a bird of the ocean, most commonly found soaring in the vicinity of islands with cliffs.

LESSER FRIGATEBIRD

PLATE 6

***Fregata ariel* (G. R. Gray, 1845)**

1845 *Atagen* (sic) *Ariel* G. R. Gray, Gen. Bds., 3, pl. 185 (Raine Island, north Queensland)

Description: Male—all black with a purplish green gloss on the head and neck; flanks white. Female—brown-black except for white collar, flanks, and breast. Immature—head whitish or rufous; bill and feet bluish white. Otherwise similar to adult female.

Soft Parts: Male—bill gray; throat pouch red; iris brown; feet black. Female—bill pink; iris brown; feet pink to red.

Measurements: Wing ♂ 515, ♀ 530; tail 335; bill 88; tarsus 15.

Range: Breeds on Fiji, the Marquesas Islands, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits the Samoas.

Remarks: This bird is commonly found around islands, especially those with cliffs, as it often rides the air currents.

ARDEIDAE

HERONS

REEF HERON

PLATE 7

Egretta sacra sacra (Gmelin, 1789)

1789 *Ardea sacra* Gmelin, Syst. Nat., 1:640 (Tahiti, Society Islands)

Description: This species is found in three color phases: gray phase—forehead and crown dark blue-gray, neck dark brownish blue, elongated feathers of the back dark blue-gray, tail and wings dark brown, a white stripe from chin part way down the neck, underparts dull gray; white phase—specimens pure white; mottled phase—specimens mottled gray and white.

Soft Parts: Gray phase—bill brown, face greenish yellow, iris yellow, legs and feet yellowish green; white phase—bill yellow, otherwise as in gray phase.

Measurements: Wing ♂ 272, ♀ 260; tail 90; bill 84; tarsus 75.

Range: American Samoa (Manua Islands, Ofu, Olosega, Rose Island, Tutuila)

Austral Islands (Raevavae, Rimatara, Rurutu, Tubuai)

Cook Islands (Rarotonga)

Fiji (Avea, Fulanga, Kambara, Kandavu, Komo, Lakemba, Mango, Marambo, Matuku, Mbatiki, Moala, Mothe, Namuka-I-Lau, Nayau, Nggele Levu, Thikombia, Thithia, Totoya, Vanuambalavu, Vanuavatu, Vatanua, Vatoa, Vatulele, Viti Levu, Wakaya)

Marquesas Islands (Eiao, Fatu Hiva, Fatu Huku, Hiva Oa, Nuku Hiva, Ua Huka, Ua Pu)

Society Islands (Bora-Bora, Huahine, Maiao, Moorea, Mopelia, Raiatea, Scilly, Tahiti, Tetiaroa)

Tonga (Fonuaika, Toku, Vavau)

Tuamotu Archipelago (Ahe, Ahunui, Apataki, Aratika, Faaite, Fakahina, Fakarava, Hao, Hiti, Katiu, Kauahi, Kaukura, Magareva, Makatea, Makemo, Manihi, Marutea, Matahiva, Maturity-Vavao, Mureia, Niau, Nihiru, Rangiroa, Raraka, Raroia, Taenga, Tahanea, Taiaro, Takaroa, Takume, Tenararo, Tenaruga, Tikehau, Timoe Atoll, Toau, Tuanake, Vanavana)

Western Samoa (Apolima, Savaii, Upolu)

Remarks: A common bird of the reefs, it can easily be found feeding in the tide pools.

GREEN HERON

PLATE 7

***Butorides striatus diminutus* Mayr, 1940**

1940 *Butorides striatus diminutus* Mayr, Am. Mus. Novit., 1056:6 (Lomlom Island, Reef Islands)

Description: Top of head and plume dark greenish black; back, wings, and tail dark grayish green; chin and throat whitish with pale spots; rest of underparts gray washed with ochre.

Soft Parts: Bill, upper mandible black, lower mandible yellow; iris yellow; feet greenish yellow.

Measurements: Wing ♂ 183, ♀ 182; tail ♂ 65, ♀ 63; bill 65; tarsus 49.

Range: Fiji (Kandavu, Ngau, Taveuni, Vanuambalavu, Viti Levu)

***Butorides striatus patruelis* (Peale, 1848)**

1848 *Ardea patruelis* Peale, U. S. Expl. Expd., 8:216 (Tahiti)

Description: Differs from *B. s. diminutus* by lacking the blackish spots in the middle of the throat; underparts more rufous.

Range: Society Islands (Tahiti)

Remarks: A shy bird of the freshwater marshes, it is most active during the early morning hours. Its coloration often makes it most difficult to find.

DUCKS

GRAY DUCK

PLATE 7

***Anas superciliosa pelewensis* Hartlaub and Finsch, 1872**

1872 *Anas superciliosa* var. *pelewensis* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 108 (Pelew Islands)

Description: All brown with pale margins to feathers except for a buffy stripe above eye and loreal patch; speculum green bordered with black; chin and throat buffy; underwing white.

Soft Parts: Bill blackish; iris brown; feet brownish.

Measurements: Wing ♂ 240, ♀ 226; tail 80; bill 44; tarsus 36.

Range: American Samoa (Aunuu, Tutuila)

Austral Islands (Rapa, Rimatara, Tubuai)

Cook Islands (Rarotonga)

Fiji (Kandavu, Mango, Matathawa Levu, Mothe, Ngau, Oneata, Ono-I-Lau, Taveuni, Viti Levu)
Society Islands (Bora-Bora, Huahine, Maiao, Moorea, Raiatea, Tahiti)
Tonga (Fonualei, Niuafoo, Nomuka, Tongatapu, Vavau)
Western Samoa (Savaii, Upolu)

Remarks: This common, widespread duck of the Pacific may be found on streams, rivers, and small lakes. It usually travels in groups of two to 10 and is not shy.

NORTHERN PINTAIL

PLATE 7

Anas acuta Linnaeus, 1758

1758 *Anas acuta* Linnaeus, Syst. Nat., 1:126 (Europe = Sweden)

Description: Male—head and neck brown with a white line on the side of the neck; mantle and sides gray with fine black bars; back and rump gray; tail black; wings gray with a bronze speculum; scapulars black with light buffy edges; breast and belly white; flanks creamy; under tail-coverts black. Female—above, brown with black specks; below, buffy with black spots on breast; speculum brownish.

Soft Parts: Bill bluish; iris brown; feet gray.

Measurements: Wing ♂ 265, ♀ 245; tail ♂ 190, ♀ 100; bill 49; tarsus 41.

Range: Marquesas Islands (Hiva Oa)
Society Islands (Moorea, Tahiti)
Tonga (Fonualei)

Remarks: This bird breeds in Europe, Asia, and North America. It is migratory and is a rare visitor to the South Pacific. It occasionally appears on freshwater lakes.

NORTHERN SHOVELER

PLATE 7

Anas clypeata Linnaeus, 1758

1758 *Anas clypeata* Linnaeus, Syst. Nat., 1:124 (coasts of Europe = southern Sweden)

Description: Male—head green; back black; tail black and white; wings gray with a green speculum; scapulars blue and white; breast white; belly chestnut; under tail-coverts black. Female—dull buffy brown with black flecks; green speculum; pale eye stripe.

Soft Parts: Bill black; iris yellow; feet orange.

Measurements: Wing ♂ 245, ♀ 220; tail 79; bill 64; tarsus 35.

Range: Tuamotu Archipelago (Kauehi)

Remarks: This bird breeds in Europe, Asia, and North America. It is migratory and is a rare straggler to the South Pacific.

ACCIPITRIDAE

HAWKS

FIJI GOSHAWK

PLATE 8

***Accipiter rufitorques* (Peale, 1848)**

1848 *Aster rufitorques* Peale, U. S. Expl. Expd., 8:68 (Fiji Islands)

Description: Top of head gray; collar vinaceous; back, wings, rump, and tail gray; chin and upper throat whitish gray, rest of underparts vinaceous. Immature—upperparts dark brown, feathers with buff margins; underparts white with dark brown streaks; thighs washed with rufous.

Soft Parts: Bill black; iris yellow; feet yellowish.

Measurements: Wing ♂ 220, ♀ 235; tail ♂ 148, ♀ 172; bill ♂ 24, ♀ 29; tarsus ♂ 48, ♀ 59.

Range: Fiji (Avea, Kandavu, Koro, Maiao, Matuka, Matuku, Mbengga, Moala, Nathula, Naviti, Ngau, Ovalau, Rambi, Taveuni, Thithia, Totoya, Vanua Levu, Vanuambalavu, Viti Levu, Waya, Yanutha)

Remarks: A bird of the lowlands, it may be found in open cultivated areas as well as in the dense rain forests. It is not shy.

SWAMP HARRIER

PLATE 8

***Circus approximans approximans* Peale, 1848**

1848 *Circus approximans* Peale, U. S. Expl. Expd., 8:64 (Mathuata, Venua Levu, Fiji Islands)

Description: Upperparts dark brown with pale margins to feathers; rump and tail very pale brown; underparts rufous-brown feathers with black shaft streaks. Immature—dark brown, unstreaked.

Soft Parts: Bill black; cere yellow; iris yellow; feet yellow.

Measurements: Wing ♂ 403, ♀ 423; tail ♂ 218, ♀ 230; bill 34; tarsus 90.

Range: Fiji (Kandavu, Maiatho, Makongai, Mothe, Naitaumba, Oneata, Taveuni, Thikombia, Viti Levu, Yasawa)
Society Islands (Bora-Bora, Moorea, Raiatea, Tahiti, Tetiaroa)
Tonga (Ata, Tofua)

Remarks: This is a bird of the open lands. It may range from seacoast to mountain tops but is most commonly seen soaring around large hills.

FALCONIDAE

FALCONS

PEREGRINE FALCON

PLATE 8

Falco peregrinus nesiotes Mayr, 1941

1941 *Falco peregrinus nesiotes* Mayr, Am. Mus. Novit., 1133:2 (Tanna Island, New Hebrides)

Description: Top of head, face, and hind neck black; back, rump, and tail dark blue-gray mottled with black; primaries black; chin white; throat and upper breast pale rufous with black streaks; lower breast and belly rufous spotted and streaked with black.

Soft Parts: Bill bluish with black tip; cere yellow; iris brown; feet orange-yellow.

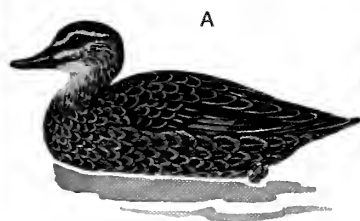
Measurements: Wing ♂ 290, ♀ 310; tail ♂ 132, ♀ 160; bill ♂ 20, ♀ 24; tarsus ♂ 45, ♀ 47.

Range: Fiji (Ovalau, Taveuni, Vanua Levu, Viti Levu, Wakaya)
Western Samoa (Savaii)

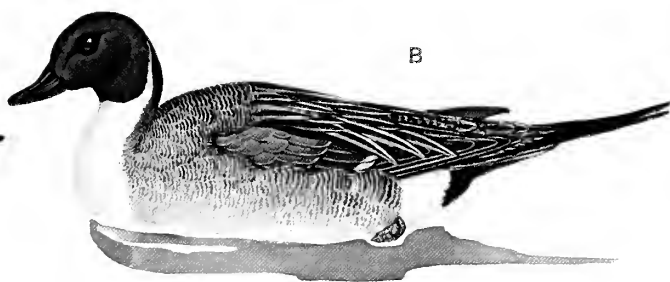
Remarks: This is a bird of the mountain cliffs and rain forests, where it can be seen soaring and darting for food. The South Pacific population remains about the same and seems to be in little danger from pesticides and human encroachment.

PLATE 7

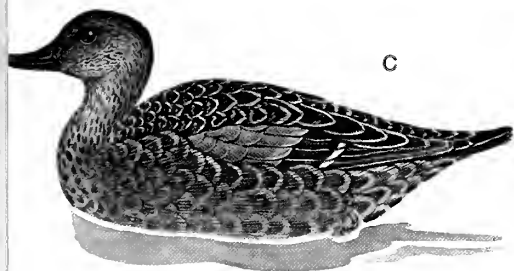
- A GRAY DUCK
(*Anas superciliosa*), male—page 28
 - B NORTHERN PINTAIL
(*Anas acuta*), male—page 29
 - C NORTHERN PINTAIL
(*Anas acuta*), female—page 29
 - D NORTHERN SHOVELER
(*Anas clypeata*), male—page 29
 - E NORTHERN SHOVELER
(*Anas clypeata*), female—page 29
 - F REEF HERON—Gray Phase
(*Egretta sacra*), male—page 27
 - G REEF HERON—White Phase
(*Egretta sacra*), male—page 27
 - H GREEN HERON
(*Butorides striatus*), male—page 28
-



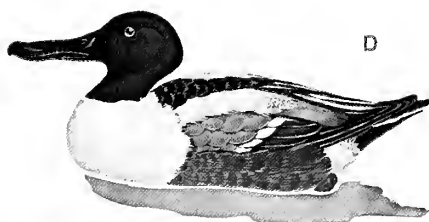
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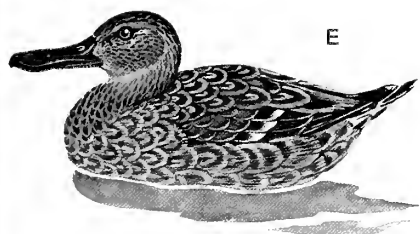
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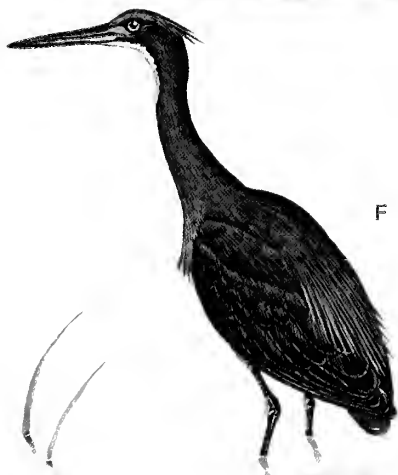
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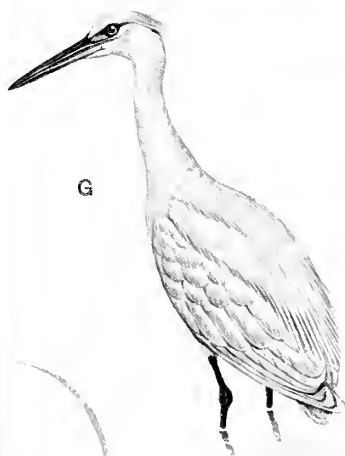
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E



F



G



H

PLATE 8

- A FIJI GOSHAWK
(*Accipiter rufitorques*), female—page 30
- B FIJI GOSHAWK
(*Accipiter rufitorques*), immature male—page 30
- C SWAMP HARRIER
(*Circus approximans*), male—page 30
- D PEREGRINE FALCON
(*Falco peregrinus nesiotis*), male—page 31
- E NIUAFO'OU MEGAPODE
(*Megapodius pritchardii*), male—page 38
- F JUNGLE FOWL
(*Gallus gallus*), male—page 38
-

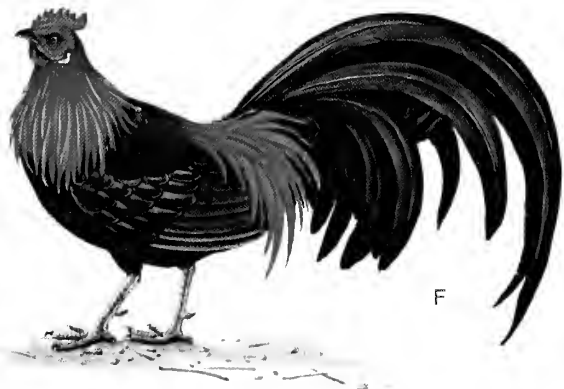
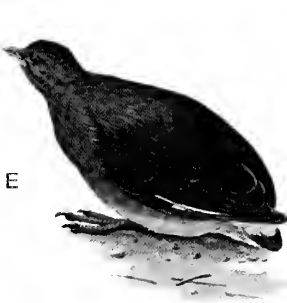
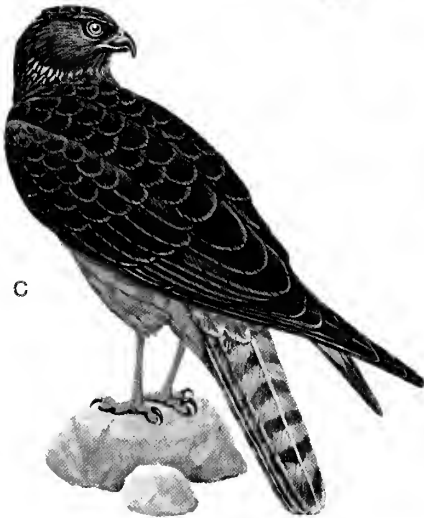
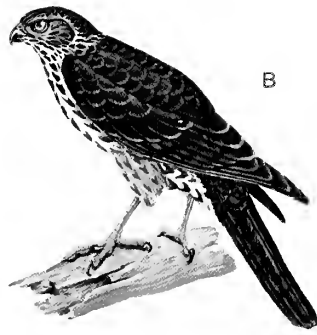
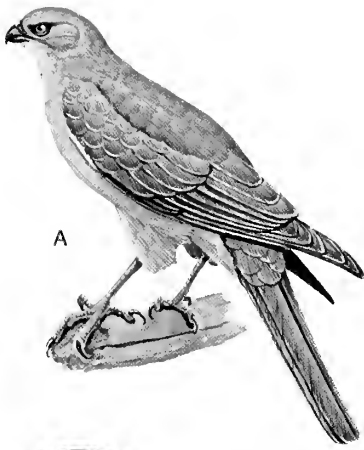


PLATE 9

- A BARRED-WING RAIL
 (*Nesoclopeus poecilopterus*), male—page 39
- B BANDED RAIL
 (*Gallirallus philippensis goodsoni*), male—page 39
- C HENDERSON ISLAND RAIL
 (*Porzana atra*), male—page 41
- D SOOTY RAIL
 (*Porzana tabuensis*), male—page 41
- E WHITE-BROWED RAIL
 (*Poliolimnas cinereus*), male—page 42
- F PURPLE SWAMPHEN
 (*Porphyrio porphyrio samoensis*), male—page 43
- G SAMOAN WOOD RAIL
 (*Pareudiastes pacificus*)—page 43
-

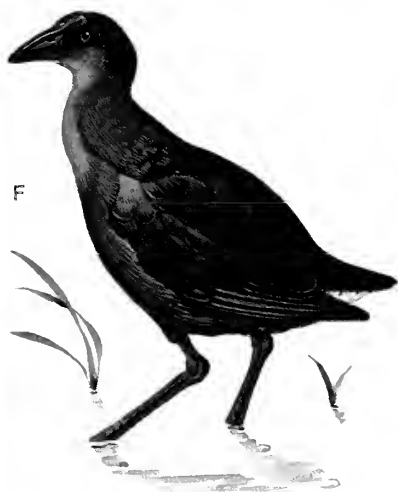
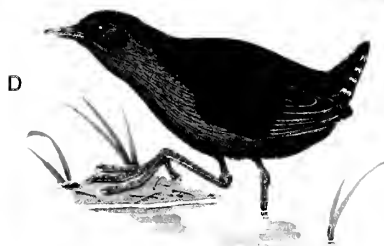
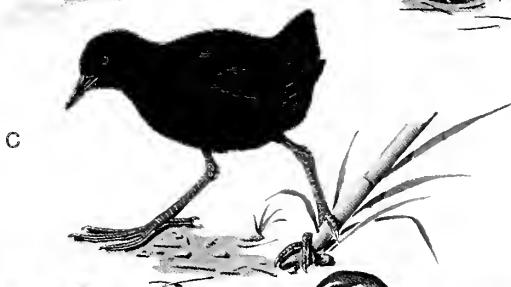
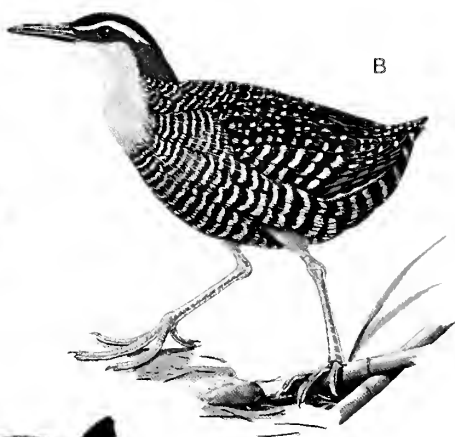
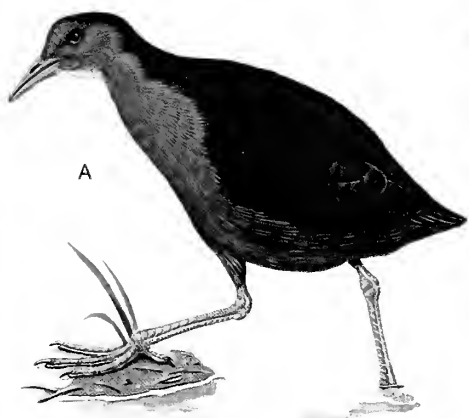


PLATE 9

SANDSTRÖM

MEGAPODIIDAE

MEGAPODES

NIUAFO'OU MEGAPODE

PLATE 8

Megapodius pritchardii G. R. Gray, 1864

1864 *Megapodius Pritchardii* G. R. Gray, Ann. Mag. Nat. Hist., **14**:378 (Nina Fou = Nivafo'ou, "Friendly Islands")

1871 *Megapodius huttoni* Buller, Trans. New Zealand Inst., **3**:15 ("Friendly Islands")

Description: Upper back and top of head dark gray; lower back, rump, and wings rufous-brown; wings have a concealed white patch; tail grayish brown with the basal half whitish; throat and breast dark gray; belly pale gray. Immature—duller and lacks the white in the wing. Juvenile—brown, barred with black on back and wings.

Soft Parts: Bill yellow; iris brown; feet yellowish red.

Measurements: Wing 188; tail 74; bill 26; tarsus 54.

Range: Tonga (Niuafu; introduced on Tafalu in 1968)

Remarks: This megapode, like others of its family, burrows to lay its eggs. The tunnel is 1 to 2 meters long and is placed in volcanic ash near the rim of a crater. Birds are most commonly found on the wooded slopes of a volcano. In 1968, six adults and three immatures were released on Tafalu Island.

PHASIANIDAE

PHEASANTS

JUNGLE FOWL

PLATE 8

Gallus gallus gallus (Linnaeus, 1758)

1758 *Phasianus gallus* Linnaeus, Syst. Nat., **1**:158 (Pulau Condor, off mouth of Mekong River)

1854 *Gallus tahitensis* Hartlaub, Journ. f. Orn., **2**:169 (Tahiti)

1858 *Gallus tahiticus* Cassin, U. S. Expl. Expd., **8**:289 (Tahiti)

Description: Male—head mostly bare red skin; neck has elongated, glossy, reddish orange feathers; back and wing-coverts glossy maroon; rump has elongated, glossy, deep red-orange feathers; wings brown and glossy green; tail black with green gloss; all underparts dull black. Female—mostly dull brown with fine black streaks; neck feathers black with golden yellow margins.

Soft Parts: Bill, upper mandible dark brown, lower mandible light brown; iris orange-red; feet yellowish gray.

Measurements: Wing ♂ 240, ♀ 200; tail ♂ 500, ♀ 130; bill 21; tarsus 78.

Range: This bird was introduced from Asia on most islands throughout the South Pacific, prior to their discovery by European explorers. On most of the larger islands it has returned to the feral state, where it has become quite common yet remains elusive. Its common, chickenlike call makes it very easy to find in the deep forest. Birds of the Pacific Islands are highly variable in color, reflecting introduction of various domesticated European stocks.

RALLIDAE

RAILS

BARRED-WING RAIL

PLATE 9

Nesoclopeus poecilopterus (Hartlaub, 1866)

1866 *Rallina poeciloptera* Hartlaub, Ibis, p. 171 (Viti Levu, Fiji Islands)

Description: Top of head rufous gray-brown, becoming more rufous on hind neck; rest of upperparts rufous brown; wings rufous with black bars; chin and throat whitish; face, sides of neck and breast gray; belly dark gray, feathers slightly tipped with pale gray; flanks and under tail-coverts dark blackish brown.

Soft Parts: Bill yellow, orange at base; iris light brown; feet yellowish.

Measurements: Six specimens = wing 170; tail 83; bill 50; tarsus 65.

Range: Fiji (Ovalau, Viti Levu)

Remarks: This bird may be extinct as it has not been positively recorded during the 20th century; the last specimen was collected during the 1870's. This species was reported to inhabit lowland swamps.

BANDED RAIL

PLATE 9

Gallirallus philippensis goodsoni (Mathews, 1911)

1911 *Eulabeornis philippensis goodsoni* Mathews, Bds. Austr., 1:197 (Upolu, Samoa)

Description: Forehead and crown brown streaked with black; lores, malar stripe, and hind neck chestnut; stripe above lores and above and

behind eye grayish white; upper back gray-black finely barred with white; mantle and rump blackish green with white spots; primaries dark brown with rufous and white spots; chin pale gray; throat gray; rest of underparts barred with black and white; breast sometimes with a faint pale chestnut breast band. Immature—similar to adult but duller and chestnut on head not so extensive.

Soft Parts: Bill, upper mandible brown, lower mandible horn; iris red (red-brown in young birds); feet flesh color.

Measurements: Wing ♂ 150, ♀ 146; tail ♂ 65, ♀ 63; bill 34; tarsus 51.

Range: American Samoa (Manua Islands, Ofu, Olosega, Tau, Tutuila)
Western Samoa (Savaii, Upolu)

***Gallirallus philippensis sethsmithi* (Mathews, 1911)**

1911 *Eulabeornis philippensis sethsmithi* Mathews, Bds. Austr., 1:197 (Ovalau, Fiji Islands)

Description: Differs from *G. p. goodsoni* by having the crown more heavily striped; chestnut of the nape darker and more extensive; narrower white bars on the upper back, giving a darker appearance; and the underparts more finely barred with black.

Range: Fiji (Aiwa, Kandavu, Mango, Moengava, Namenalala, Navandra, Oneata, Ovalau, Viti Levu, Voini, Wakaya)
Rotuma

***Gallirallus philippensis ecaudata* (J. F. Miller, 1783)**

1783 *Rallus ecaudata* J. F. Miller, Icon. Anim., pl. 47 ("Otaheitee"; error = Nomuka, Tonga group)

1852 *Rallus Forsteri* Hartlaub, Arch. f. Natürg., 18:136 (Tonga Islands)

1867 *Rallus hypoleucus* Hartlaub and Finsch, Beitr. Fauna Cent., Orn., p. 163 (Tonga)

Description: Differs from *G. p. goodsoni* by having the chestnut of the crown, nape, and malar stripe paler and the underparts not so heavily barred.

Range: Niue

Tonga (Ava, Foa, Fonualei, Mango, Moungaone, Niuafoo, Niuatoputapu, Nomuka, Ofolanga, Oua, Telekitonga, Tonumea, Tungua)

Remarks: This is a common bird of the open grassy areas, often found around airports and cow pastures and seen darting across roads. On some of the more populated islands and around towns, this bird becomes quite tame to the point where it may be observed feeding with the local chickens.

TAHITI RAIL

Gallirallus pacificus (Gmelin, 1789)

1789 *Rallus pacificus* Gmelin, Syst. Nat., 1:717 (Tahiti)

Remarks: This rail is known only from a painting by Forster, made during Captain Cook's second voyage (1773 or 1774 [see Lysaght, 1959]). It is shown as black above with white barring, a white eyebrow, white underparts, a red bill, and pink-red legs. It may have been a Tahitian representative of the *Rallus* (or *Gallirallus*) *philippensis* group, but if such a bird really existed on Tahiti, it did not closely resemble any known species. It must be considered hypothetical.

HENDERSON ISLAND RAIL

PLATE 9

Porzana atra North, 1908

1908 *Porzana atra* North, Rec. Austral. Mus., 7:31 (Henderson Island)

1913 *Porzana murrayi* Ogilvie-Grant, Bull. Brit. Orn. Cl., 31:61 (Henderson Island)

Description: Entire bird blackish. Immature—gray below, with black legs.

Soft Parts: Bill black, greenish at base; iris red; feet orange-red.

Measurements: Wing ♂ 84, ♀ 82; tail ♂ 40, ♀ 40; bill ♂ 23, ♀ 21; tarsus ♂ 36, ♀ 34.

Range: Henderson Island

Remarks: This secretive, flightless rail is usually found on the forest floor.

SOOTY RAIL

PLATE 9

Porzana tabuensis tabuensis (Gmelin, 1789)

1789 *Rallus tabuensis* Gmelin, Syst. Nat., 1:717 (Tonga Tabu, Tahiti, and neighboring islands)

1789 *Rallus tahitiensis* Gmelin, Syst. Nat., 1:717 (Tahiti and Friendly Islands)

1854 *Porzana vitiensis* Hartlaub, Journ. f. Orn., 2:169 (based on "*Zapornia spilnota*" Peale, 1848; *not* Gould, 1841. Ovalau, Fiji)

1856 *Zapornia umbrina* Cassin, Proc. Acad. Nat. Sci. Phila., 8:254 (Ovalau, Fiji)

Description: Head and underparts slate-black; wings, back, and rump very dark reddish brown; under tail-coverts black with white bars.

Soft Parts: Bill black; iris red; feet red (orange in young).

Measurements: Wing ♂ 81, ♀ 80; tail ♂ 41, ♀ 40; bill 19; tarsus 28.

Range: American Samoa (Manua Islands, Tau)

Austral Islands (Rapa, Tubuai)

Ducie

Fiji (Kandavu, Ngau, Ono-I-Lau, Ovalau, Taveuni, Viti Levu)

Marquesas Islands (Hatutu, Nuku Hiva)

Niue

Oeno

Society Islands (Moorea, Raiatea, Tahiti)

Tuamotu Archipelago (Apataki, Aratika, Hiti, Magareva, Manihi, Manui, Raraka, Tikehau, Toau)

Western Samoa (Savaii)

Remarks: A shy rail of freshwater marshes and sometimes salt marshes, it is usually found at dawn and dusk.

WHITE-BROWED RAIL

PLATE 9

***Poliolimnas cinereus tannensis* (Forster, 1844)**

1844 *Rallus tannensis* Forster, Descr. Anim., ed. Licht., p. 275 (Tanna Island, New Hebrides)

Description: Head and lores dark olive-gray; upper back dark olive-brown; wings, back, and tail dark brown, feathers with paler margins; patch above lores; stripe extending from bill under and behind eyes; chin and upper throat white; sides of throat and breast gray; flanks olive-gray; center of belly whitish; under tail-coverts pale rufous. Immature—browner and paler above; underparts white, washed with buff.

Soft Parts: Bill yellow-brown; iris red; feet greenish yellow.

Measurements: Wing ♂ 95, ♀ 92; tail ♂ 48, ♀ 47; bill 23; tarsus 38.

Range: American Samoa (Manua Islands, Tutuila)

Fiji (Ngau, Ovalau, Viti Levu)

Western Samoa (Savaii, Upolu)

Remarks: This is a shy bird of the marshes and rice fields and is not common.

PURPLE SWAMPHEN

PLATE 9

Porphyrio porphyrio samoensis Peale, 1848

1848 *Porphyrio samoensis* Peale, U. S. Expl. Expd., 8:220 (Upolu, Samoa)

Description: Hind crown and neck brownish black; upper back dark blue; mantle, wings, and tail olive-brown; wing shoulders turquoise-blue with a black base to feathers; breast and belly dark purplish blue; under tail-coverts white.

Soft Parts: Bill and shield red; iris red (brown in young birds); feet light red.

Measurements: Wing ♂ 212, ♀ 208; tail ♂ 75, ♀ 71; bill 38; tarsus 70.

Range: American Samoa (Aunuu, Manua Islands, Ofu, Olosega, Tau, Tutuila)
Western Samoa (Savaii, Upolu)

Porphyrio porphyrio vitiensis Peale, 1848

1848 *Porphyrio vitiensis* Peale, U. S. Expl. Expd., 8:221 (Ovalau, Fiji Islands)

Description: Differs from *P. p. samoensis* by having the upperparts greener brown and the underparts duller.

Range: Fiji (Kandavu, Matathawa Levu, Ono-I-Lau, Ovalau, Taveuni, Uea)
Niue
Rotuma
Tonga (Ava, Fonualei, Late, Mango, Niuafuu, Nomuka, Oua, Tofonga, Tonumea)

Remarks: A bird of the swamps and lowland cultivated areas, it is often found in taro fields, where it feeds on newly sprouted grass shoots.

SAMOAN WOOD RAIL

PLATE 9

Pareudiastes pacificus Hartlaub and Finsch, 1871

1871 *Pareudiastes pacificus* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 25 (Savaii, Samoan Islands)

Description: Entire bird blackish; upperparts somewhat olivaceous; breast bluish gray.

Soft Parts: Bill light red, frontal shield yellow; iris red-brown; feet red.

Measurements: Three unsexed specimens = wing 125; tail 36; bill 30; tarsus 39.

Range: Western Samoa (Savaii)

Remarks: The habits of this bird are unrecorded. It has not been seen since 1873 and is possibly extinct. It was probably flightless.

CHARADRIIDAE

PLOVERS

PACIFIC GOLDEN PLOVER

PLATE 12

***Pluvialis dominica fulva* (Gmelin, 1789)**

1789 *Charadrius fulvus* Gmelin, Syst. Nat., 1:687 (Tahiti)

Description: Nonbreeding plumage—top of head, back, rump, tail, and scapulars black with buffy gold margins; primaries black; sides of head and faint eye stripe golden with fine brown streaks; chin buffy white; throat, breast, and flanks gray with brown shaft streaks and margins to feathers; belly and under tail-coverts white. Breeding plumage—upper-parts golden; underparts black.

Soft Parts: Bill blackish brown; iris dark brown; feet black.

Measurements: Wing ♂ 164, ♀ 162; tail ♂ 60, ♀ 58; bill 23; tarsus 41.

Range: American Samoa (Manua Islands, Olosega, Rose Island, Tutuila)

Austral Islands (Rurutu)

Fiji (Lakemba, Leleuvia, Moala, Ngasele Bay, Nukulau, Taveuni, Thithia, Viti Levu, Welangilala)

Marquesas Islands (Nuku Hiva)

Niue

Society Islands (Bora-Bora, Maiao, Moorea, Mopelia, Raiatea, Scilly, Tahiti, Tetiaroa)

Tonga (Niuatoputapu, Putuputua, Tokulu)

Tuamotu Archipelago (Ahe, Apataki, Fakarava, Hao, Hiti, Katiu, Kaukura, Makatea, Makemo, Marutea, Matahiva, Rangiroa, Raraka, Raroia, Tahanea, Taiaro, Takapoto, Tenaruga, Tepoto, Tikehau, Tikei, ?Toau, Tuanake, Vanavana)

Wallis

Western Samoa (Apolima, Savaii, Upolu)

Remarks: This is a common wintering bird from the north and may be found most anywhere along the coast.

MONGOLIAN PLOVER

PLATE 12

***Charadrius mongolus mongolus* Pallas, 1776**

1776 *Charadrius mongolus* Pallas, Reise Versch. Prov. Russ. Reichs, 3:700 (salt lakes toward the Mongolian border = Kulussutai, probably on the Onon River, Siberia)

Description: Nonbreeding plumage—upperparts pale brown; primaries black; forehead and eye stripe whitish; sides of head olive-gray; chin and throat white; breast band olive-gray; belly and under tail-coverts white.

Soft Parts: Bill black; iris dark brown; feet black.

Measurements: Wing ♂ 136, ♀ 131; tail ♂ 54, ♀ 52; bill 18; tarsus 27.

Range: Fiji (Viti Levu)

Remarks: A rare winter visitor to Fiji from Asia, this bird has been recorded only a few times.

BANDED DOTTEREL

PLATE 12

***Charadrius bicinctus* Jardine and Selby, 1827**

1827 *Charadrius bicinctus* Jardine and Selby, Ill. Orn., 1, pl. 28 (New Holland = New South Wales)

Description: Forehead and line over eye white; a black line between forehead and crown and also from the bill to the eye; upperparts olive-brown; underparts white, except for a black band on the lower throat and a dark chestnut band on the breast. Wintering birds much duller.

Soft Parts: Bill black; iris blackish brown, eyelids red; feet yellowish white.

Measurements: Wing ♂ 131, ♀ 128; tail ♂ 55, ♀ 54; bill 20; tarsus 28.

Range: Fiji (Ono-I-Lau, Viti Levu)

Remarks: This bird is a rare visitor to Fiji (once).

PLATE 10

- A PARASITIC JAEGER
(*Stercorarius parasiticus*), male—page 59
- B POMARINE JAEGER
(*Stercorarius pomarinus*), male—page 58
- C WHIMBREL
(*Numenius phaeopus*), male—page 52
- D EASTERN CURLEW
(*Numenius madagascariensis*), male—page 53
- E BRISTLE-THIGHED CURLEW
(*Numenius tahitiensis*), male—page 52
- F BAR-TAILED GODWIT
(*Limosa lapponica*), male—page 53
-

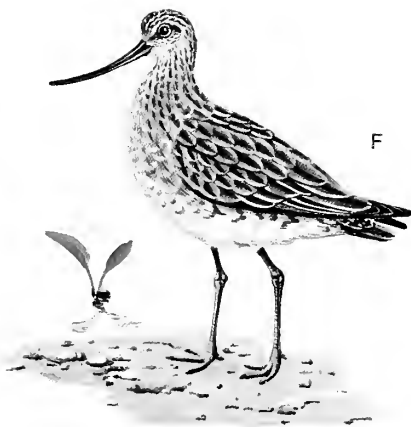
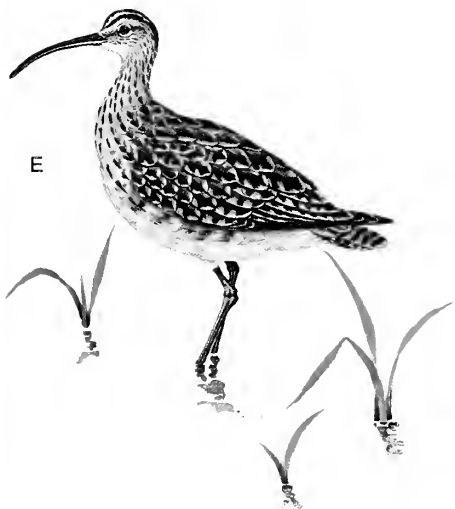
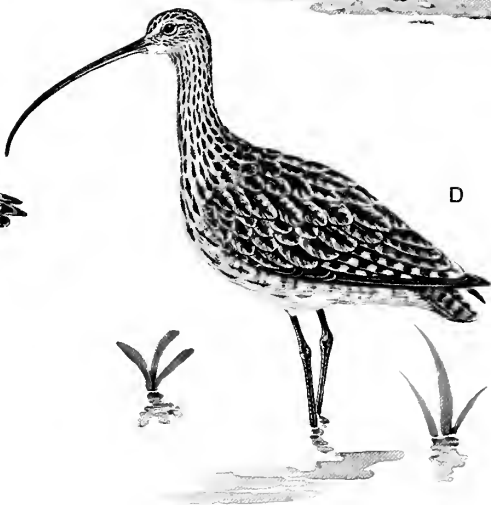
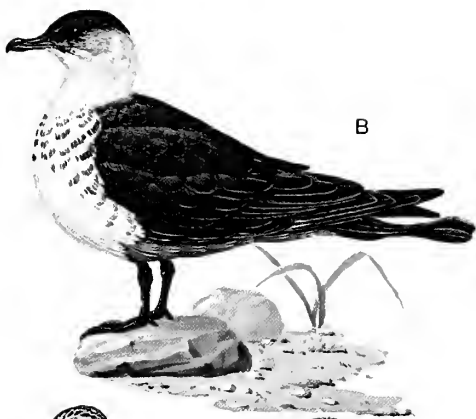


PLATE 11

- A WANDERING TATTLER
(*Tringa incana*), male—page 54
- B TEREK SANDPIPER
(*Xenus cinereus*), male—page 55
- C TURNSTONE
(*Arenaria interpes*), male—page 55
- D TUAMOTU SANDPIPER
(*Prosobonia cancellata*), male—page 56
- E TAHITIAN SANDPIPER
(*Prosobonia leucoptera*), male—page 56
- F SANDERLING
(*Calidris alba*), male—page 57
- G LITTLE STINT
(*Calidris ruficollis*), male—page 57
- H SHARP-TAILED SANDPIPER
(*Calidris acuminata*), male—page 58
-

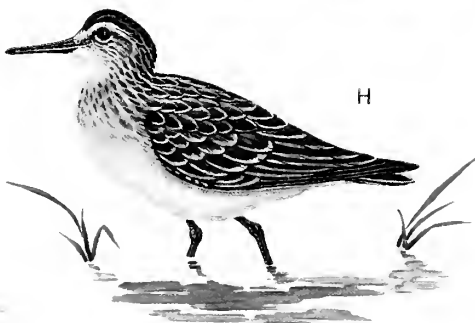
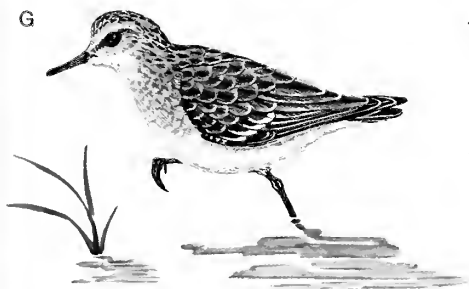
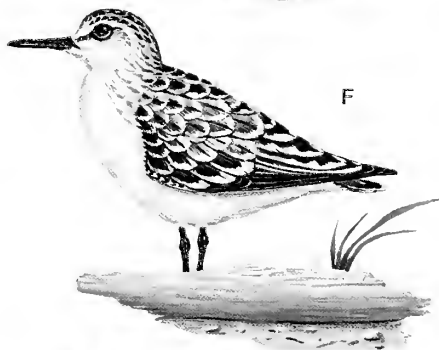
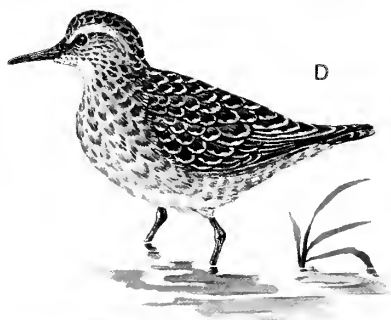
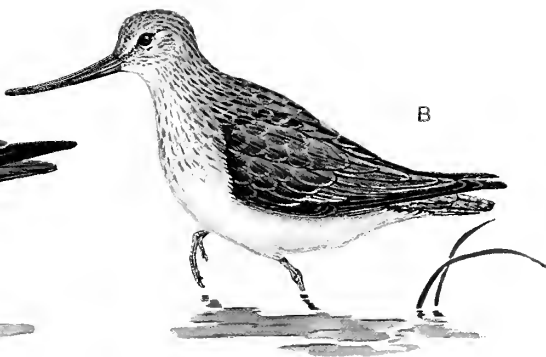
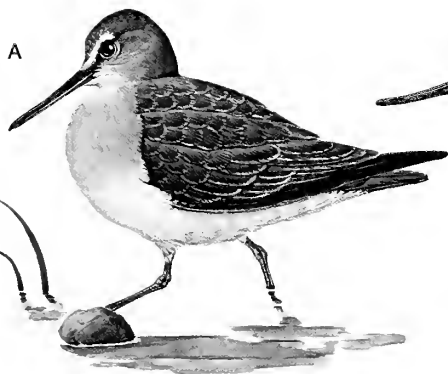
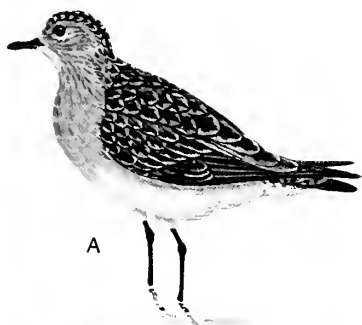
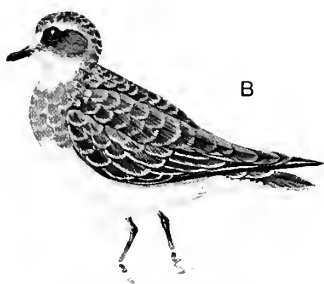


PLATE 12

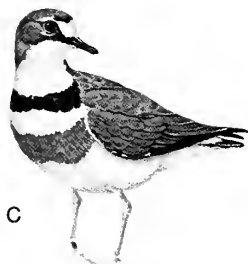
- A PACIFIC GOLDEN PLOVER
(*Pluvialis dominica*), male—page 44
- B MONGOLIAN PLOVER
(*Charadrius mongolus*), male—page 45
- C BANDED DOTTEREL
(*Charadrius biniuctus*), male—page 45
- D COMMON TERN
(*Sterna hirundo*), male—page 60
- E ROSEATE TERN
(*Sterna dougalli*), male—page 60
- F BLACK-NAPED TERN
(*Sterna sumatrana*), male—page 61
- G BLUE-GRAY NODDY
(*Procelsterna cerulea*), male—page 64
- H WHITE TERN
(*Gygis alba*), male—page 65
-



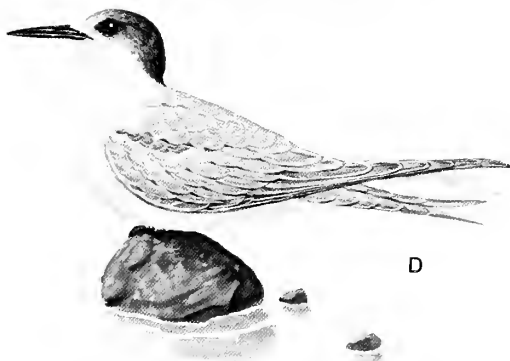
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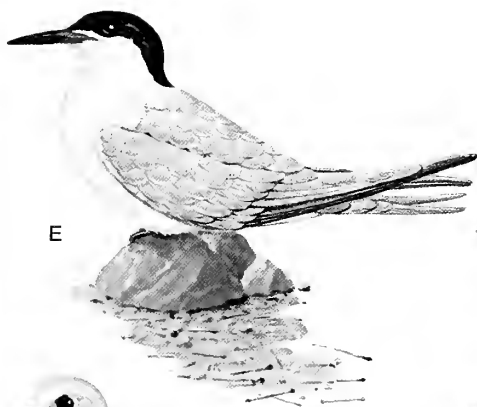
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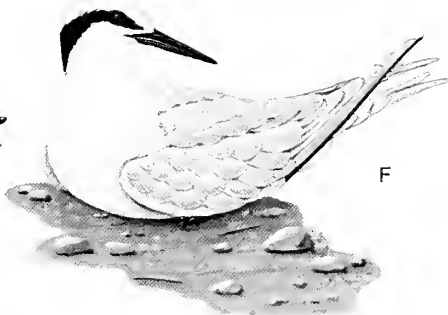
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H

PLATE 12

SCOLOPACIDAE

SANDPIPERS

WHIMBREL

PLATE 10

***Numenius phaeopus variegatus* (Scopoli, 1786)**

1786 *Tantalus variegatus* Scopoli, Del. Flor. et Faun. Insubr., p. 92 (Luzon)

Description: Top of head dark brown with a gray stripe down the center; upperparts gray-brown mottled with gray; rump whitish; tail dark brown with light brown bars; superciliary gray-buff; sides of face and throat gray, finely streaked with brown; breast buff, heavily streaked with brown; center of belly whitish; flanks, thighs, and under tail-coverts dirty white with brown bars.

Soft Parts: Bill black, base of lower mandible dark brown; iris dark brown; feet plumbeous.

Measurements: Wing ♂ 238, ♀ 230; tail ♂ 116, ♀ 112; bill 90; tarsus 50.

Range: Fiji (Nukulau, Taveuni, Viti Levu)

The Samoas (once)

Remarks: This rare straggler has been recorded from Fiji and once from Samoa in 1911; the latter specimen may be *N. p. hudsonicus* from North America, which lacks the whitish rump patch. Other Whimbrels have been seen in Fiji, but positive subspecific identification is unknown.

BRISTLE-THIGHED CURLEW

PLATE 10

***Numenius tahitiensis* (Gmelin, 1789)**

1789 *Scolopax tahitiensis* Gmelin, Syst. Nat., 1:656 (Tahiti, Society Islands)

Description: Upperparts brown mottled with buffy white; rump buffy white; tail rufous with dark brown bars; chin white; throat, breast, and flanks white with dark brown shaft streaks to feathers; rest of underparts white with a pale rufous wash.

Soft Parts: Bill black; iris brown; feet slate.

Measurements: Wing ♂ 242, ♀ 235; tail ♂ 97, ♀ 95; bill 95; tarsus 53.

Range: American Samoa (Rose Island, Tutuila)

Ducie

Fiji (Nggele Levu)

Henderson Island

Marquesas Islands (Eiao, Fatu Huku, Hatutu, Nuku Hiva)

Niue

Oeno

Pitcairn Island

Society Islands (Maiao, Mopelia, Scilly, Tahiti, Tetiaroa)

Tonga (Putuputua, Toku)

Tuamotu Archipelago (Ahunui, Apataki, Hiti, Kauehi, Make-mo, Maria, Marutea, Matahiva, Maturei-Vavao, Paraoa, Rangiroa, Tahanea, Tenarare, Tenaruga, Tikehau, Toau, Tuanake, Tureia, Vanavana)

Western Samoa (Apolima, Savaii, Upolu)

Remarks: This is one of the most common shore birds in the South Pacific.

EASTERN CURLEW

PLATE 10

Numenius madagascariensis (Linnaeus, 1766)

1766 *Scolopax madagascariensis* Linnaeus, Syst. Nat., 1:242 ("Madagascar"; error = Macassar, Celebes)

Description: Upperparts gray-brown heavily streaked with dark brown; chin pale buff with fine brown shaft streaks; sides of face and rest of underparts buffy streaked with brown.

Soft Parts: Bill black, base of lower mandible flesh color; iris brown; feet dark gray.

Measurements: Wing ♂ 320, ♀ 314; tail ♂ 146, ♀ 130; bill 195; tarsus 95.

Range: Fiji (Rewa estuary, Viti Levu)
Western Samoa (Savaii)

Remarks: This curlew strays into the South Pacific from farther west.

BAR-TAILED GODWIT

PLATE 10

Limosa lapponica baueri Naumann, 1836

1836 *Limosa Baueri* Naumann, Handb. Natürg. Vög. Deutsch., 8:429 (Victoria, Australia)

Description: Upperparts gray-brown mottled with dark brown; rump gray-white barred with dark brown; tail dark brown with light bars; face,

chin, and throat buff with fine brown streaks; rest of underparts pure whitish.

Soft Parts: Bill, terminal half blackish, basal half pinkish; iris brown; feet dark brown.

Measurements: Wing ♂ 239, ♀ 231; tail ♂ 82, ♀ 80; bill 108; tarsus 57.

Range: American Samoa (Rose Island, Tutuila)

Fiji (Nukulau, Ono-I-Lau, Rewa estuary, Tomberua, Viti Levu)

Western Samoa (Upolu)

Remarks: This bird is a winter visitor from the south and is not common.

WANDERING TATTLER

PLATE 11

Tringa incana incana (Gmelin, 1789)

1789 *Scolopax incana* Gmelin, Syst. Nat., 1:658 (Eimeo = Moorea, Society Islands)

Description: Upperparts gray; eye stripe whitish; underparts dull whitish with a slight grayish breast band in wintering birds; summer birds have underparts barred.

Soft Parts: Bill black, base of lower mandible gray-brown; iris dark brown; feet yellowish.

Measurements: Wing ♂ 163, ♀ 157; tail ♂ 69, ♀ 67; bill 40; tarsus 30.

Range: American Samoa (Manua Islands, Olosega, Rose Island, Tutuila)

Austral Islands (Papa, Raevavae, Rimatara, Rurutu, Tubuai)

Ducie

Fiji (Kandavu, Lakemba, Lelenvia, Nukulau, Rewa estuary, Taveuni, Viti Levu, Wakaya, Yalewa Kalou)

Henderson Island

Marquesas Islands (Dapu, Eiao, Hiva Oa, Motuiti, Nuku Hiva)

Niue

Society Islands (Bora-Bora, Huamiua, Maiao, Moorea, Raiatea, Scilly, Tahiti, Tetiaroa)

Tonga (Fonoifua, Niuafoo, Niuatoputapu, Oua)

Tuamotu Archipelago (Ahe, Ahunui, Anaa, Aratika, Aukena, Faaite, Fakahina, Fakapoio, Fakarava, Hao, Kamaka, Kauehi, Magareva, Makatea, Makemo, Manihi, Maria, Marutea, Matahiva, Maturei-Vavao, Motu Teiko, Napuka, Nihiru, Rangiroa, Raroia, Tahanea, Takapoto, Takaroa, Temoe, Tenararo, Tenaruga, Tikei, Toau, Tuanake, Tureia)

Western Samoa (Savaii, Upolu)

***Tringa incana brevipes* (Vieillot, 1816)**

1816 *Totanus brevipes* Vieillot, Nouv. Dict. d'Hist. Nat., 6:410 (no locality = Timor)

Description: Differs from *T. i. incana* by having the upperparts paler gray and the eye stripe and underparts purer white.

Range: Fiji (Viti Levu)

Remarks: This is one of the most common of the shore birds.

TEREK SANDPIPER**PLATE 11*****Xenus cinereus* (Güldenstaedt, 1774)**

1774 *Scolopax cinerea* Güldenstaedt, Novi Comm. Sci. Petropol., 19:473 (Caspian Sea)

Description: Upperparts olive-gray, feathers with dark shaft streaks becoming blackish on the back; superciliary pale gray; chin white; throat white finely streaked with brownish gray; rest of underparts white.

Soft Parts: Bill black, lower mandible base yellowish; iris dark brown; feet olive-gray.

Measurements: Wing ♂ 130, ♀ 125; tail ♂ 60, ♀ 56; bill 50; tarsus 26.

Range: Fiji (Viti Levu)

Remarks: This sandpiper is a rare visitor to the South Pacific.

TURNSTONE**PLATE 11*****Arenaria interpes interpes* (Linnaeus, 1758)**

1758 *Tringa interpes* Linnaeus, Syst. Nat., 1:148 (Gotland, Sweden)

1826 *Tringa oahuensis* Bloxham, in Byron's Voy. "Blonde," p. 251 (Oahu, Hawaiian Islands)

Description: Winter plumage—upperparts and breast band mottled gray-brown; prominent wing stripe white; chin, upper throat, belly, and under tail-coverts white. Breeding plumage—more colorful, face black and white; majority of upperparts dull chestnut.

Soft Parts: Bill black; iris brown; feet orange-red.

Measurements: Wing ♂ 150, ♀ 146; tail ♂ 56, ♀ 54; bill 24; tarsus 24.

Range: American Samoa (Manua Islands, Olosega, Rose Island, Tutuila)
 Fiji (Leleuvia, Nggele Levu, Nukulau, Ono-I-Lau, Welangilala, Yasawa)
 Tonga (Tokulu)
 Western Samoa (Apolima, Savaii, Upolu)

Remarks: This is a common visitor to the South Pacific from the north.

TUAMOTU SANDPIPER

PLATE 11

***Prosobonia cancellata* (Gmelin, 1789)**

- 1789 *Tringa cancellata* Gmelin, Syst. Nat., 1:675 (in insula Nativitatis Christi = Christmas Island, Pacific Ocean)
 1848 *Tringa parvirostris* Peale, U. S. Expl. Expd., 8:235 (Dog or Honden Island, Tuamotu)

Description: Pale phase—upperparts brown streaked and mottled with white; eye stripe white; chin whitish; throat, breast, and flanks barred brown and white; central belly white. Dark phase—darker brown with the white of the eye stripe, chin, and belly much reduced. Many intermediate individuals exist and both color phases interbreed.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 103, ♀ 103; tail ♂ 58, ♀ 55; bill 16; tarsus 24.

Range: Line Islands (Christmas Atoll) (one record)

Tuamotu Archipelago (Fakarava, Hiti, Kamaka, Katiu, Kauehi, Makaroa, Manui, Maria, Marutea, Maturei-Vavao, Pinaki, Pukapuka, Rangiroa, Raraka, Tahanea, Tenararo, Tenaruga, Tepoto, Tuanake, Vahaga, Vanavana)

Remarks: This sandpiper lives on uninhabited islands and occasionally will visit inhabited ones. It is usually found feeding in broken coral rubble.

TAHITIAN SANDPIPER

PLATE 11

***Prosobonia leucoptera* (Gmelin, 1789)**

- 1789 *Tringa leucoptera* Gmelin, Syst. Nat., 1:678 (Tahiti and Eimeo Islands)
 1906 *Prosobonia ellisi* Sharpe, Bull. Brit. Orn. Cl., 16:86 (Eimeo Island)

Description: Top of head and mantle blackish brown; lower back and rump ferruginous; tail rufous, the two central rectrices black; chin, upper throat, and a spot behind the eye whitish; rest of underparts ferruginous.

Soft Parts: Unrecorded.

Measurements: Wing 113; tail 54; bill 24; tarsus 34.

Range: Society Islands (Moorea, Tahiti) (extinct)

Remarks: Only the unique type exists, which was collected by the Cook Expedition (1773). Two other specimens may have been collected, but their whereabouts is unknown. This species has not been seen since it was first discovered.

SANDERLING

PLATE 11

Calidris alba (Pallas, 1764)

1764 *Trynna alba* Pallas, in Vroeg's Cat., p. 7 (North Sea)

Description: Wintering birds—upperparts grayish white, streaked and mottled with browns and blacks; wing with a broad white stripe; underparts white. Breeding plumage—upperparts and breast rusty.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 126, ♀ 123; tail ♂ 44, ♀ 43; bill 26; tarsus 23.

Range: Ducie

Fiji (Ono, Ono-I-Lau, Tomberua, Viti Levu)

Remarks: The sanderling is probably a common visitor to the South Pacific, but it has been recorded from only a few localities.

LITTLE STINT

PLATE 11

Calidris ruficollis (Pallas, 1776)

1776 *Trynna ruficollis* Pallas, Reise Versch. Prov. Russ. Reichs, 3:700 ("Circa lacus salsos Dauriae campestris" = Kulussutai, southern Transbaikalia)

Description: Upperparts gray-brown, some feathers having dark shaft streaks; rump, tail, and primaries dark brown; underparts white with a gray band across the chest.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 96, ♀ 94; tail ♂ 43, ♀ 42; bill 18; tarsus 20.

Range: Fiji (Viti Levu) (twice)

Remarks: A rare sandpiper in the South Pacific.

SHARP-TAILED SANDPIPER

PLATE 11

Calidris acuminata (Horsfield, 1821)

1821 *Totanus acuminatus* Horsfield, Trans. Linn. Soc. London, **13**:192 (Java)

Description: Crown dull rufous streaked with black; upperparts brown streaked with dark brown feathers having buffy edges; underparts gray-white; feathers of lower throat and breast have dark brown shaft streaks.

Soft Parts: Bill black, base of lower mandible brown; iris dark brown; feet olive-yellow.

Measurements: Wing ♂ 128, ♀ 124; tail ♂ 55, ♀ 53; bill 26; tarsus 28.

Range: Fiji (Viti Levu) (twice)

Remarks: A rare visitor to the South Pacific.

STERCORARIIDAE

SKUAS

POMARINE JAEGER

PLATE 10

Stercorarius pomarinus (Temminck, 1815)

1815 *Lestris pomarinus* Temminck, Man. d' Orn., p. 514 (Arctic regions of Europe)

Description: Forehead and crown dark brownish black; collar white; rest of upperparts dark brown; chin and throat white; breast white with a few brown bars; upper belly white; lower belly, thighs, and under tail-coverts brown.

Soft Parts: Bill dark brown; iris brown; feet blackish brown.

Measurements: Wing ♂ 360, ♀ 353; tail ♂ 240, ♀ 232; bill 40; tarsus 47.

Range: Visits the Society Islands (Tahiti).

Remarks: This rare visitor to the South Pacific from the Northern Hemisphere should be looked for on other island groups.

PARASITIC JAEGER

PLATE 10

Stercorarius parasiticus (Linnaeus, 1758)

1758 *Larus parasiticus* Linnaeus, Syst. Nat., 1:136 (Sweden)

Description: Upperparts dark brown; underparts white or brownish.

Soft Parts: Bill horn color; iris brown; feet black.

Measurements: Wing ♂ 349, ♀ 340; tail ♂ 208, ♀ 197; bill 34; tarsus 42.

Range: Visits the Society Islands (Tahiti).

Remarks: This rare visitor to the South Pacific from the Northern Hemisphere may appear on other islands.

LARIDAE

GULLS AND TERNS

SILVER GULL

PLATE 13

Larus novaehollandiae Stephens, 1826

1826 *Larus Novae-Hollandiae* Stephens, in Shaw's Gen. Zool., 13:196 (New South Wales)

Description: A pure white gull with a gray mantle; primaries mostly black with white spots. Immature—mottled brown and gray above; tail with dark band.

Soft Parts: Bill red; iris white; feet red. Immature—bill, iris, and feet brownish.

Measurements: Wing ♂ 275, ♀ 268; tail ♂ 114, ♀ 110; bill 33; tarsus 43.

Range: Visits the ?Marquesas Islands and the ?Society Islands. Within the area covered by this book, this species is known from only a few 19th century sight records. No specimens are known; the subspecies is therefore indeterminate.

FRANKLIN'S GULL

PLATE 13

Larus pipixcan Wagler, 1831

1831 *Larus Pipixcan* Wagler, Isis, col. 515 (Mexico)

Description: Head black, but white in wintering birds; mantle gray; primaries black with terminal white spots; rump, tail, and underparts white.

Soft Parts: Bill maroon; iris brown; feet dull red.

Measurements: Wing ♂ 285, ♀ 278; tail 100; bill 32; tarsus 40.

Range: Visits the Marquesas Islands (two records) from the eastern Pacific.

COMMON TERN

PLATE 12

***Sterna hirundo* Linnaeus, 1758**

1758 *Sterna Hirundo* Linnaeus, Syst. Nat., 1:137 (Europe, restricted to Sweden)

Description: Top of head and nape black in breeding birds; forehead and front of crown white in wintering birds; mantle gray; rump and forked tail white; all of underparts white. Immature—like winter adult, but back more or less faintly barred with brown and black; tail grayish, with fork shorter; a blackish patch on shoulder.

Soft Parts: Bill blackish with varying amount of red at base; iris dark brown; feet dull red.

Measurements: Wing ♂ 240, ♀ 234; tail 130; bill 40; tarsus 21.

Range: Visits Fiji. Subspecies is uncertain.

ROSEATE TERN

PLATE 12

***Sterna dougallii bangsi* Mathews, 1912**

1912 *Sterna dougallii bangsi* Mathews, Bds. Austr., 2:364 (Foochow, China)

Description: Top of head and nape black; upperparts very pale gray; outer three primaries dark gray-black; underparts white. Winter plumage—forehead white.

Soft Parts: Bill black with varying amount of red at base; iris dark brown; feet coral-red. Immature—like Common Tern immature, but forehead with less white; rump and tail much paler than mantle.

Measurements: Wing ♂ 225, ♀ 218; tail 140; bill 40; tarsus 18.

Range: Visits Tonga and the Tuamotu Archipelago from Asia.

SOOTY TERN

PLATE 13

***Sterna fuscata serrata* Wagler, 1830**

1830 *Sterna serrata* Wagler, Natursyst. Amphib., p. 89 (New Caledonia)

Description: Forehead white; stripe from bill to eyes black; rest of upperparts black; underparts white. Immature—blackish above, with white tips to mantle feathers; underparts brown.

Soft Parts: Bill black; iris blackish; feet black.

Measurements: Wing ♂ 305, ♀ 290; tail 212; bill 41; tarsus 23.

Range: Breeds on the Austral Islands, the Cook Islands, Fiji, the Marquesas Islands, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago.

Remarks: This species is in need of revision: *serrata* is used by Mayr and Mathews in later publications, but *oahuensis* has been suggested by Peters.

BRIDLED TERN**PLATE 13*****Sterna anaethetus anaethetus* Scopoli, 1786**

1786 *Sterna Anaethetus* Scopoli, Del. Flor. et Faun. Insubr., p. 92 (in Guinea = Panay, Philippines)

Description: Forehead and stripe over eyes white; crown and lores black; nape white; rest of upperparts brownish gray; all underparts white. Immature—cap paler; back heavily barred.

Soft Parts: Bill black; iris dark brown; feet dark gray.

Measurements: Wing ♂ 270, ♀ 262; tail 180; bill 41; tarsus 19.

Range: Visits Fiji, the Samoas, and Tonga from the western Pacific.

GRAY-BACKED TERN**PLATE 13*****Sterna lunata* Peale, 1848**

1848 *Sterna lunata* Peale, U. S. Expl. Expd., 8:277 (Vincennes Island, Paumotu Group)

Description: Forehead and eye stripe white; crown, nape, and lores black; mantle, rump, and tail gray; outer tail feathers with outer margins white; underparts white.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 270, ♀ 264; tail 175; bill 46; tarsus 19.

Range: Breeds on Fiji, the Society Islands, and the Tuamotu Archipelago. Visits the Marquesas Islands, the Samoas, and Tonga.

BLACK-NAPED TERN**PLATE 12*****Sterna sumatrana sumatrana* Raffles, 1822**

1822 *Sterna Sumatrana* Raffles, Trans. Linn. Soc. London, 13:329 (Sumatra)

Description: Top of head white; black line runs through eyes and joins on the nape; upperparts pale gray; outer primary edged with black; underparts white. Immature—mottled gray-brown on nape and mantle; bill and legs yellowish.

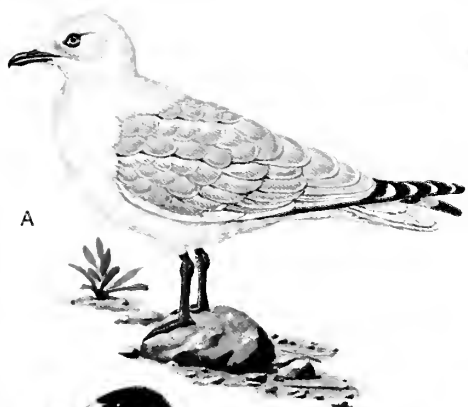
Soft Parts: Bill black; iris dark brown; feet black.

Measurements: Wing ♂ 230, ♀ 225; tail 150; bill 43; tarsus 18.

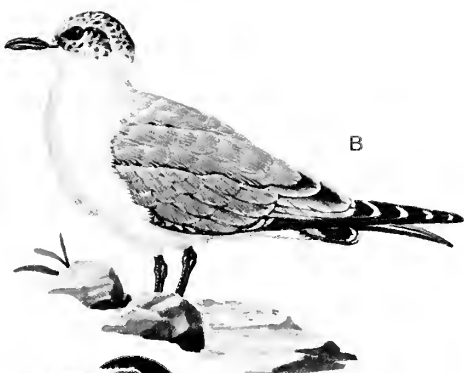
Range: Breeds on Fiji. Visits the Samoas and Tonga.

PLATE 13

- A SILVER GULL
(*Larus novaehollandiae*), male—page 59
- B FRANKLIN'S GULL
(*Larus pipixcan*), male, winter plumage—page 59
- C SOOTY TERN
(*Sterna fuscata*), male—page 60
- D BRIDLED TERN
(*Sterna anaethetus*), male—page 61
- E GRAY-BACKED TERN
(*Sterna lunata*), male—page 61
- F CRESTED TERN
(*Sterna bergi*), male—page 64
- G BROWN NODDY
(*Anous stolidus*), male—page 64
- H BLACK NODDY
(*Anous tenuirostris*), male—page 65
-



A



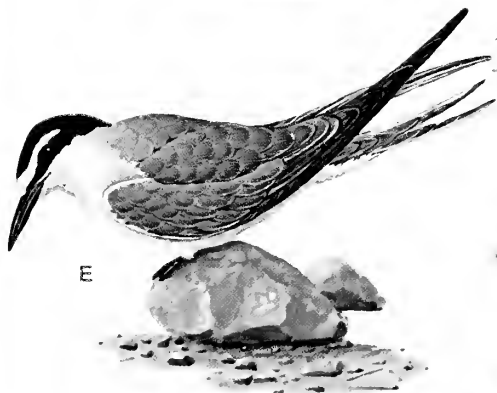
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C



D



E



F



G



H

CRESTED TERN

PLATE 13

***Sterna bergi cristatus* Stephens, 1826**

1826 *Sterna cristata* Stephens, in Shaw's Gen. Zool., 13:146 (China)

Description: Forehead white; crown and crest black; hind neck white; rest of upperparts gray; underparts white. Nonbreeding—crown mottled with white. Immature—like nonbreeding adult but mantle mottled brownish.

Soft Parts: Bill greenish yellow; iris black; feet black.

Measurements: Wing ♂ 330, ♀ 324; tail 155; bill 58; tarsus 28.

Range: Breeds on Fiji, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits the Samoas.

BLUE-GRAY NODDY

PLATE 12

***Procelsterna cerulea* (F. D. Bennett, 1840)**

1840 *Sterna Cerulea* F. D. Bennett, Narr. Whaling Voy., 2:248 (Christmas Island, Pacific Ocean)

Description: Entire bird blue-gray; in the pale phase the underparts are lighter; both phases have a broken white eye-ring.

Soft Parts: Bill black; iris brown; feet black with yellow webs.

Measurements: Wing ♂ 190, ♀ 184; tail 103; bill 27; tarsus 23.

Range: Breeds on Fiji, Henderson Island, the Marquesas Islands, Pitcairn Island, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits Ducie.

Remarks: This species is in need of revision as many subspecies have been described and their status is uncertain.

BROWN NODDY

PLATE 13

***Anous stolidus pileatus* (Scopoli, 1786)**

1786 *Sterna pileata* Scopoli, Del. Flor. et Faun. Insubr., p. 92 (no locality = Philippines)

Description: Forehead and part of crown whitish; rest of bird brownish gray. Immature—lacks light cap.

Soft Parts: Bill black; iris brown; feet red-brown.

Measurements: Wing ♂ 260, ♀ 252; tail 148; bill 47; tarsus 21.

Range: Breeds on the Austral Islands, the Cook Islands, Ducie, Fiji, Henderson Island, the Marquesas Islands, Oeno, Pitcairn Island, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago.

BLACK NODDY

PLATE 13

Anous tenuirostris minutus Boie, 1844

1844 *Anous minutus* Boie, Isis, col. 188 (New Holland = Raine Island, Australia)

Description: Top of head pale grayish white, rest of bird sooty black. A paler phase also exists that is more gray overall.

Soft Parts: Bill black; iris blackish; feet black.

Measurements: Wing ♂ 226, ♀ 222; tail 115; bill 50; tarsus 19.

Range: Breeds on Fiji, the Marquesas Islands, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago. Visits the Austral Islands.

WHITE TERN

PLATE 12

Gygis alba candida (Gmelin, 1789)

1789 *Sterna candida* Gmelin, Syst. Nat., 1:609 (Christmas Islands, Pacific Ocean)

Description: Entire bird pure white; shafts of primaries and rectrices blackish. Immature—a black spot behind the eye; mantle with brownish spots.

Soft Parts: Bill black, bluish at base; iris black; feet blue-black.

Measurements: Wing ♂ 245, ♀ 242; tail ♂ 115, ♀ 112; bill 46; tarsus 10.

Range: Breeds on the Austral Islands, the Cook Islands, Danger Atoll, Ducie, Fiji, Henderson Island, Oeno, Pitcairn Island, the Samoas, the Society Islands, Tonga, and the Tuamotu Archipelago.

Gygis alba microrhyncha Saunders, 1876

1876 *Gygis microrhyncha* Saunders, Proc. Zool. Soc. London, p. 668 (Marquesas Islands)

Description: Differs from *G. a. candida* by having the shaft streaks of the wings and tail much paler, almost white. The bill is more slender and shorter (40) and the blue extends farther toward the tip.

Range: Breeds on the Marquesas Islands.

Remarks: This beautiful tern is common around most all the islands. The subspecific affiliations of many of the island groups still have to be worked out.

COLUMBIDAE

PIGEONS AND DOVES

ROCK DOVE

PLATE 17

***Columba livia* Gmelin, 1789**

1789 *Columba livia* Gmelin, Syst. Nat., 1:769 (no type locality = southern Europe)

Description: In the wild state this common city pigeon is usually dark gray with bluish bars on the wings. However, through breeding and domestication it now appears in a wide variety of colors.

Soft Parts: Bill gray; iris dark red; feet maroon.

Measurements: Wing ♂ 240, ♀ 235; tail ♂ 115, ♀ 112; bill 23; tarsus 30.

Range: Fiji (Viti Levu)

Marquesas Islands (Ua Huka)

Society Islands (Bora-Bora, Moorea, Raiatea, Tahiti)

Tuamotu Archipelago (Makatea)

Western Samoa (Savaii, Upolu)

Remarks: This pigeon has been introduced throughout the world and has been officially recorded from only a few islands in the South Pacific. However, as it spreads with modern civilization, it is to be expected that it will be found on most any of the islands.

WHITE-THROATED PIGEON

PLATE 17

***Columba vitiensis vitiensis* Quoy and Gaimard, 1830**

1830 *Columba vitiensis* Quoy and Gaimard, Voy. "Astrolabe," Zool., 1:246 (Fiji Islands)

Description: Male—top of head, back, and rump dark gray heavily washed with glossy green; wings and tail dark brownish black; chin, throat, and cheeks whitish; breast vinaceous gray; belly bright vinaceous. Female—similar to male but much duller above.

Soft Parts: Bill purplish red; iris red; feet reddish black.

Measurements: Wing ♂ 226, ♀ 217; tail ♂ 160, ♀ 155; bill 26; tarsus 26.

Range: Fiji (Aiwa, Avea, Fulanga, Kambara, Kandavu, Katafanga, Kimbombo, Kio, Koro, Makongai, Mango, Marambo, Matathawa, Levu, Mbatiki, Moala, Mothe, Munia, Nairai, Naitaumba, Na-

menalala, Namuka-I-Lau, Nathula, Ngau, Nggalito, Ongea Levu, Ono, Ovalau, Taveuni, Thikombia Ilau, Thithia, Totoya, Tuvutha, Vanua Kula, Vanua Levu, Vanuambalavu, Vanuavatu, Vatulele, Vatuvara, Viti Levu, Wakaya, Waya, Yanutha, Yasawa, Yathata, Yaukuve Levu)

***Columba vitiensis castaneiceps* Peale, 1848**

1848 *Columba castaneiceps* Peale, U. S. Expl. Expd., 8:187 (Upolu, Samoa)

Description: Differs from *C. v. vitiensis* by having the top of the head purplish, upperparts more heavily washed with glossy green, cheeks and throat whiter, and underparts slate-gray.

Range: Western Samoa (Apolima, Manono, Savaii, Upolu)

Remarks: A very common and unwary pigeon from the seacoast to the mountain tops, this bird usually sits on palm fronds and limbs near fruit. In flight it usually looks black.

SPOTTED DOVE

PLATE 14

***Streptopelia chinensis tigrina* (Temminck, 1810)**

1810 *Columba Tigrina* Temminck, in Knip's Les Pigeons, p. 94 (Timor and Batavia = Java)

Description: Forehead light gray; top of head and neck pinkish gray; nuchal collar black with white spots; upperparts brown; feathers of wing-coverts have dark shaft streaks; outer tail feathers with white tips; chin light gray; throat and breast vinaceous red; belly and under tail-coverts buffy.

Soft Parts: Bill black; iris gray; feet pink.

Measurements: Wing 145; tail 138; bill 16; tarsus 24.

Range: Introduced from southeast Asia to Fiji (Nukulau, Taveuni, Viti Levu).

Remarks: Usually found in and around towns, this dove feeds on the ground and is rather tame.

PLATE 14

- A ZEBRA DOVE
(*Geopelia striata*), male—page 70
 - B SPOTTED DOVE
(*Streptopelia chinensis tigrina*), male—page 67
 - C FRIENDLY QUAIL DOVE
(*Gallicolumba stairi stairi*), male—page 71
 - D MARQUESAS GROUND DOVE
(*Gallicolumba rubescens*), male—page 71
 - E SOCIETY ISLANDS GROUND DOVE
(*Gallicolumba erythroptera*), male—page 70
 - F TOOTH-BILLED PIGEON
(*Didunculus strigirostris*), male—page 72
-

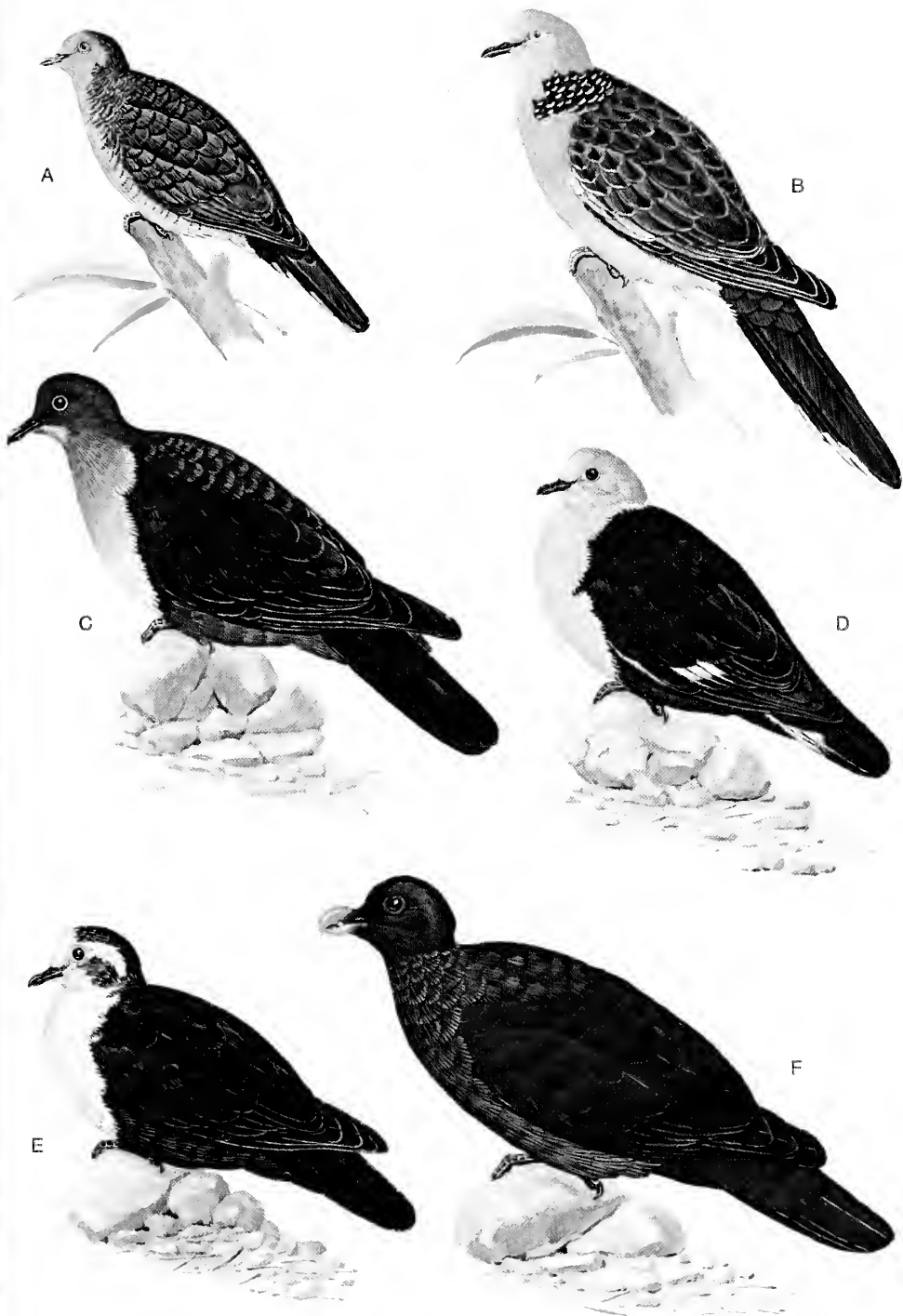


PLATE 14

SANDSTRÖM

ZEBRA DOVE

PLATE 14

Geopelia striata ssp. (Linnaeus, 1766)

1766 *Columba striata* Linnaeus, Syst. Nat., 1:242 (East Indies = Java)

Description: Forehead gray; head brown; back, rump, and wings brown with black bars; tail brown, outer feathers with white tips; throat pure blue-gray; sides of throat, breast, and belly buffy white with fine black bars; center of breast vinaceous red; belly and under tail-coverts whitish.

Soft Parts: Bill bluish; iris pale blue; feet red.

Measurements: Wing 98; tail 102; bill 12; tarsus 16.

Range: Introduced to the Society Islands (Tahiti).

Remarks: This dove is often seen feeding on the ground along roadways and in the suburbs of well-populated areas.

SOCIETY ISLANDS GROUND DOVE

PLATE 14

Gallicolumba erythroptera (Gmelin, 1789)

1789 *Columba erythroptera* Gmelin, Syst. Nat., 1:775 (Moorea, Society Islands)

1789 *Columba eimeensis* Gmelin, Syst. Nat., 1:784 (Eimeo)

1829 *Columba leucophrys* Wagler, Isis, 7, col. 743 (Otaheitee)

1848 *Peristera pectoralis* Peale, U. S. Expl. Expd., 8:205 (Aratika, Tuamotu Group)

1892 *Phlogoenas albicollis* Salvadori, Bull. Brit. Orn. Cl., 1:10 (Bow Island, Tuamotu Group)

Description: Male—forehead and stripe over eye white; top of head and ear-coverts dark gray; upperparts dark brown; upperback and wing-coverts washed with dark purplish red; chin, throat, and breast white; breast, belly, and under tail-coverts brownish black. Female—upperparts dark reddish brown; mantle feathers tipped with gray; underparts reddish brown, breast paler; under tail-coverts blackish brown.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 149, ♀ 142; tail 82; bill 20; tarsus 33.

Range: Society Islands (Moorea, Tahiti)

Tuamotu Archipelago (Aratika, Maria, Tenararo, Tenaruga, Vanavana)

Remarks: A shy bird of the dense original forest, it is more often heard than seen. Its call is a low, hoarse moan.

FRIENDLY QUAIL DOVE

PLATE 14

***Gallicolumba stairi stairi* (G. R. Gray, 1856)**

1856 *Caloenas (Phlegoenas) Stairi* G. R. Gray, Proc. Zool. Soc. London, p. 115 (Samoa; error = Tonga)

1872 *Phl.[egoenas] vitiensis* Finsch, Journ. f. Orn., 20:50 (Viti, Fiji)

Description: Male—forehead vinaceous; crown and hind neck gray washed with green; back and rump brown; wings brown; wing-coverts glossy purple; tail brown; chin and throat vinaceous, becoming paler on breast; belly and under tail-coverts brown. Female—differs from male by having upper and lower parts duller and more uniform in color. Immature—similar to female.

Soft Parts: Bill black; iris brown; feet dark red.

Measurements: Wing ♂ 151, ♀ 140; tail ♂ 88, ♀ 75; bill ♂ 19; tarsus ♂ 27.

Range: Western Samoa (Savaii, Upolu)

***Gallicolumba stairi samoensis* (Finsch, 1872)**

1872 *Phl.[egoenas] samoensis* Finsch, Journ. f. Orn., 20:50 (Samoa)

Description: Differs from *G. s. stairi* as follows: Male—gray patch on top of head is more extensive; upperparts more heavily washed with purplish; breast shield paler, with an almost white posterior border separating it from the belly. Female—browner. This race is also smaller.

Measurements: Wing ♂ 163, ♀ 151; tail ♂ 105, ♀ 98.

Range: Fiji (Aiuwa, Kio, Koro, Makongai, Mbengga, Olorua, Ovalau, Rambai, Taveuni, Tuvutha, Vanuambalavu, Vatuvara, Viti Levu, Wakaya)

Tonga (Hunga Haapai, Hunga Tonga, Late, Nomuka Iki)

Remarks: This shy forest bird is usually found in virgin forest above 3500 feet in the Samoan Group. The Tongan birds are found at lower elevations and are much tamer.

MARQUESAS GROUND DOVE

PLATE 14

***Gallicolumba rubescens* (Vieillot, 1818)**

1818 *Columba rubescens* Vieillot, Nouv. Dict. d'Hist. Nat., p. 346 (Mankakiwa, Marquesas Islands)

Description: Male—head, neck, chin, throat, and breast gray; back and wing-coverts dark purplish red; rump and upper tail-coverts dark

brown; wing primaries and secondaries brownish black with a white patch in the center of the feathers; tail white, with the terminal third dark brownish black and the central rectrices with less white, giving the entire tail a dark appearance; belly and under tail-coverts dark brownish black. Female—differs from the male by being generally darker.

Soft Parts: Bill black; iris brown; feet reddish black.

Measurements: Wing ♂ 128, ♀ 120; tail ♂ 79, ♀ 75; bill 17; tarsus 26.

Range: Marquesas Islands (Fatu Huku, Hatutu)

Remarks: Little is known of the habits of this bird; however, it probably lives on the ground in dense forest like other members of this group.

TOOTH-BILLED PIGEON

PLATE 14

Didunculus strigirostris (Jardine, 1845)

1845 *Gnathodon strigirostris* Jardine, Ann. Mag. Nat. Hist., 16:9 (Australia; error = Samoa)

Description: Male—head, neck, and mantle glossy blackish green; back, rump, tail, and wing-coverts dark reddish chestnut; primaries and secondaries dark brown; underparts dull blackish with some of the feathers having silvery tips, especially on the breast; under tail-coverts dark chestnut. Female—similar to male but duller. Immature—upper and lower parts barred chestnut and black; tail chestnut.

Soft Parts: Bill yellow with red base; iris brown; orbital skin red; feet dark red.

Measurements: Wing ♂ 202, ♀ 193; tail ♂ 107, ♀ 104; bill 26; tarsus 39.

Range: Western Samoa (Savaii, Upolu)

Remarks: Found in original forest, although it may be seen near towns, this secretive bird lives between 1000-4500 feet and is most often found sitting on large limbs near tree trunks in shaded areas. The nest is well hidden in thick foliage about 15-35 feet above the ground.

MANY-COLORED FRUIT DOVE

PLATE 15

***Ptilinopus perousii perousii* Peale, 1848**

1848 *Ptilinopus perousii* Peale, U. S. Expl. Expd., 8:195 (Upolu, Samoa)

1855 *Kurukuru samoensis* Des Murs and Prevost, Voy. "Venus," Zool., p. 247 (Samoa)

Description: Male—forehead and crown magenta; chin, throat, face, and hind neck yellowish white; a wide magenta bar across upper mantle; back, rump, and edges of wing-coverts greenish yellow; primaries and secondaries dark bronze-green; tail pearl gray; breast white with magenta bases to feathers; lower breast with a yellowish magenta bar; belly yellowish white; under tail-coverts magenta. Female—differs from male by having all upperparts, except crown, green; underparts more greenish gray. Immature—mostly green.

Soft Parts: Bill greenish; iris, male = red, female = yellow; feet gray.

Measurements: Wing ♂ 138, ♀ 130; tail ♂ 84, ♀ 79; bill 11; tarsus 21.

Range: American Samoa (Ofu, Olosega, Tau, Tutuila)

Western Samoa (Apolima, Savaii, Upolu)

***Ptilinopus perousii mariae* (Jacquinot and Pucheran, 1853)**

1853 *Ptilinopus* [sic] *mariae* Jacquinot and Pucheran, Voy. Pole Sud, Zool., 3:115 (Balaou = Ovalau, Fiji)

1864 *Ptilinopus caesarinus* Hartlaub, Journ. f. Orn., 12:413 (Viti Levu)

1925 *Ptilinopus perousii cupidineus* Wetmore, Ibis, p. 829 (Tongatabu, Tonga)

Description: Differs from *P. p. perousii* as follows: Male—white areas of underparts purer white. Female—under tail-coverts yellow.

Range: Fiji (Aiwa, Fulanga, Kambara, Kandavu, Katafanga, Kio, Lakemba, Makongai, Mango, Mothe, Munia, Naitaumba, Namuka, Nayau, Olorua, Oneata, Ongea Levu, Taveuni, Thikombia-I-Lau, Totoya, Vanua Levu, Vanuambalavu, Vanuavatu, Vatoa, Vatulele, Viti Levu, Wakaya, Yandua, Yangasalevu, Yangganga, Yathata)

Tonga (Eua, Late, Tofua, Tongatapu)

Remarks: A bird of the deep forest, this dove is most active during the early morning hours when it feeds in tree tops.

PLATE 15

- A MANY-COLORED FRUIT DOVE
(*Ptilinopus perousii mariae*), male—page 73
- B MANY-COLORED FRUIT DOVE
(*Ptilinopus perousii mariae*), female—page 73
- C RAROTONGAN FRUIT DOVE
(*Ptilinopus rarotongensis rarotongensis*), female—page 77
- D CRIMSON-CROWNED FRUIT DOVE
(*Ptilinopus porphyraceus porphyraceus*), male—page 76
- E GRAY-GREEN FRUIT DOVE
(*Ptilinopus purpuratus chrysogaster*), male—page 78
- F GRAY-GREEN FRUIT DOVE
(*Ptilinopus purpuratus insularis*), male—page 79
- G GRAY-GREEN FRUIT DOVE
(*Ptilinopus purpuratus purpuratus*), male—page 78
- H RAPA ISLAND FRUIT DOVE
(*Ptilinopus huttoni*), male—page 80
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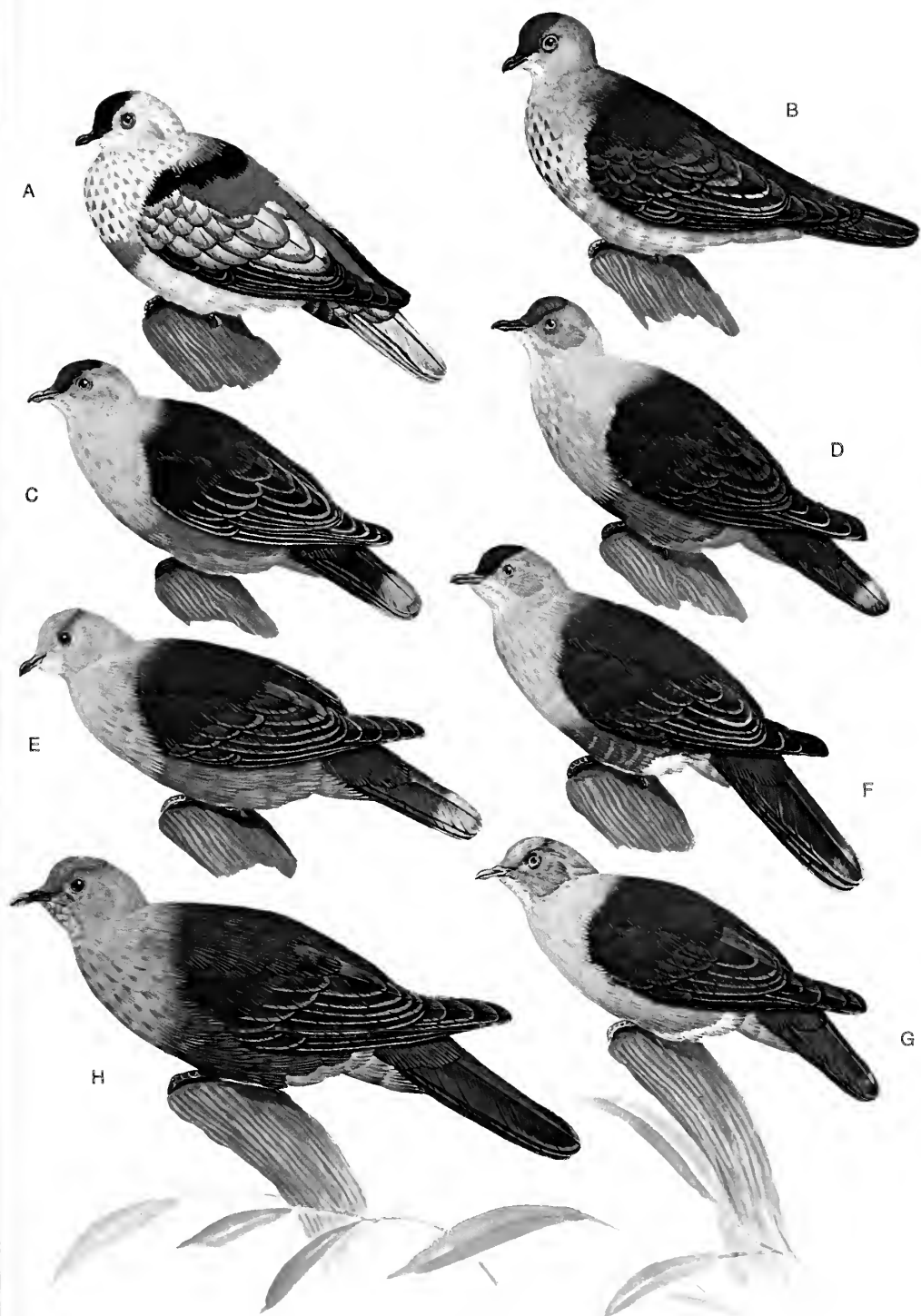


PLATE 15

SANDSTRÖM

CRIMSON-CROWNED FRUIT DOVE

PLATE 15

Ptilinopus porphyraceus porphyraceus (Temminck, 1821)

- 1821 *Columba porphyracea* Temminck, Trans. Linn. Soc. London, 13:130 (Tongatabu, Ulieta, and Timor = Tongatubu)
- 1826 *Columba forsteri* Desmarest, Dict. Sci. Nat., ed. Levrault, 40:340 (new name for *Columba porphyracea* Temminck, 1841)
- 1835 *Columba viridissima* Temminck, Pl. Col., livr. 95, pl. 2 (Tongatabu)
- 1853 *Ptilopus clementinae* Jacquinot and Pucheran, Voy. Pole Sud, Zool., 3:117 (Viti, Fiji)
- 1859 *Columba tabuensis* G. R. Gray (ex Latham), Cat. Bds. Trop. Isl. Pac., p. 38
- 1870 *Ptilinopus bonapartei* G. R. Gray, Hand. Gen. Bds. Brit. Mus., 2:225 (Vanikoro = Ovalau, Fiji)
- 1877 *Ptilonopus whitemeei* Ramsay, Proc. Linn. Soc. New South Wales, 2:141 (Savage Island = Niue)

Description: Forehead and crown bright purple; hind neck and upper back gray-green; back, rump, and wing-coverts green; primaries, secondaries, and tail dark green with a glossy blue-green metallic wash; rectrices tipped with grayish white; chin whitish; throat and breast gray; breast dark green with a dark purplish patch in the center; lower breast and vent yellow; under tail-coverts orangish yellow.

Soft Parts: Bill green; iris yellow; feet red.

Measurements: Wing ♂ 140, ♀ 136; tail ♂ 80, ♀ 75; bill 17; tarsus 22.

Range: Fiji (Aiwa, Avea, Fulanga, Kambara, Katafanga, Komo, Lakemba, Makongai, Mango, Marambo, Mothe, Munia, Naitaumba, Namenalala, Namuka-I-Lau, Nayau, Nggele Levu, Nukumbasanga, Oneata, Ongea Levu, Thikombia-I-Lau, Thithia, Thombia, Tuvutha, Vanuavatu, Vatulele, Vatuvara, Wakaya, Wanggava, Watanua, Welangilala, Yandua, Yangasalevu, Yanutha, Yathata)

Nive

Rotuma

Tonga (Ava, Eua, Foa, Haafeva, Haano, Hunga Haapai, Hunga Tonga, Kao, Kapa, Late, Moungaone, Niuatoputapu, Nomuka, Ofolanga, Ovaka, Tafahi, Telekivavau, Tofua, Tongatapu, Tungua, Uiha, Uoleva, Vavau)

Ptilinopus porphyraceus fasciatus Peale, 1848

- 1848 *Ptilinopus fasciatus* Peale, U. S. Expl. Expd., 8:193 (Samoan Islands)
- 1855 *Ptilinopus apicalis* Bonaparte, "C.G.A.," 2:23 (Vavau; error = Samoa)
- 1878 *Ptilopus pictiventris* Elliot, Ann. Mag. Nat. Hist., p. 349 (Navigator and Friendly Islands)

Description: Differs from *P. p. porphyraceus* by having the rectrices tipped with yellowish white, the patch in the middle of the belly reddish brown, and the orange in the yellow under tail-coverts much more pronounced.

Range: American Samoa (Ofu, Olosega, Tau, Tutuila)
Western Samoa (Savaii, Upolu)

***Ptilinopus porphyraceus graeffei* Neumann, 1922**

1922 *Ptilinopus porphyraceus graeffei* Neumann, Ver. Orn. Ges. Bayern, 15:234 (Uvea or Wallis Island)

Description: This form is intermediate between *P. p. porphyraceus* and *fasciatus*. The reddish brown of the belly and the orange in the under tail-coverts are not quite as intense as in *fasciatus* but are distinctly different from *P. p. porphyraceus* and *fasciatus*.

Range: Horne Islands (Futuna, Uvea)
Tonga (Niuafu)

Remarks: Although a common bird of the scrub and plantations, this bird prefers the tops of forest fruit trees. Its mournful call can be heard at any time of the day.

RAROTONGAN FRUIT DOVE

PLATE 15

***Ptilinopus rarotongensis rarotongensis* Hartlaub and Finsch, 1871**

1871 *Ptilinopus rarotongensis* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 30 (Rarotonga)

Description: Forehead and crown purple; face and hind neck gray; back, rump, and wing-coverts dull green; primaries dark olive-black with narrow yellow margins; secondaries greenish with broad yellowish margins; tail green with a gray terminal band; chin and throat cream color; upper breast gray; lower breast dark olive-yellow with a maroon patch in the center; belly and under tail-coverts yellow; thighs grayish green. Immature—forehead and underparts paler.

Soft Parts: Bill plumbeous; iris yellow; feet reddish brown.

Measurements: Wing ♀ 130, ♂ 132; tail ♀ 85, ♂ 91; bill 14; tarsus 21.

Range: Cook Islands (Rarotonga)

***Ptilinopus rarotongensis goodwini* Holyoak, 1974**

1974 *Ptilinopus rarotongensis goodwini* Holyoak, Bull. Brit. Orn. Cl., 94:145 (Atiu, Cook Islands)

Description: Differs from *P. r. rarotongensis* by having the red-maroon patch in the center of the belly reduced to a few feathers with orange tips.

Range: Cook Islands (Atiu)

Remarks: This bird is common in trees, but otherwise its habits are unknown.

GRAY-GREEN FRUIT DOVE

PLATE 15

***Ptilinopus purpuratus purpuratus* (Gmelin, 1789)**

- 1789 *Columba purpurata* Gmelin, Syst. Nat., 1:784 ("In insulis australis intra tropicos inclusis" = Tahiti)
 1828 *Columba Kurukuru* var. *taitensis* Lesson, Voy. "Coquille," p. 297 (Tahiti)
 1829 *Columba oopa* Wagler, Isis, 7, col. 742 (Society Islands)
 1848 *Ptilinopus furcatus* Peale, U. S. Expl. Expd., 8:191 (Tahiti)
 1855 *Kurukuru nebrouxii* Des Murs and Prevost, Voy. "Venus," Zool., p. 253 (Tahiti)

Description: Male—forehead and crown pale grayish purple; hind neck grayish; rest of upperparts green; primaries blackish with dark green margins; tail green with an indistinct subterminal gray band; chin dirty white; throat and breast grayish; belly grayish with a green wash; under tail-coverts yellow. Female—upperparts washed with bronze.

Soft Parts: Bill greenish yellow, nostrils orange; iris orange; feet red.

Measurements: Wing ♂ 150, ♀ 147; tail ♂ 87, ♀ 83; bill 11; tarsus 29.

Range: Society Islands (Tahiti)

***Ptilinopus purpuratus frater* Ripley and Birkhead, 1942**

- 1942 *Ptilinopus purpuratus frater* Ripley and Birkhead, Am. Mus. Novit., 1192:9 (Moorea, Society Islands)

Description: Differs from *P. p. purpuratus* by having the upperparts slightly more brownish green and the gray of the underparts brighter.

Range: Society Islands (Moorea)

***Ptilinopus purpuratus chrysogaster* (G. R. Gray, 1853)**

- 1853 *Ptilinopus chrysogaster* G. R. Gray, (1854), Proc. Zool. Soc. London, p. 48 (Raiatea, Society Islands)

Description: Differs from *P. p. purpuratus* by having the crown purer lavender with a distinct yellowish green hind border, the green of the upperparts brighter, the tail band distinctly terminal, the chin yellowish, upper breast olive-yellow, and lower breast and belly yellow.

Range: Society Islands (Bora-Bora, Huahine, Raiatea, Tahaa)

***Ptilinopus purpuratus coralensis* Peale, 1848**

1848 *Ptilinopus coralensis* Peale, U. S. Expl. Expd., 8:190 (Aratika, Tuamotu Group)

1893 *Ptilopus smithsonianus* Salvadori, Cat. Bds. Brit. Mus., 21:105 ("Some island of the Paumotu Group")

Description: Differs from *P. p. chrysogaster* by having the forehead gray, the green of the upperparts not so bright, the chin whitish, the upper breast more yellow-gray, and the lower breast and under tail-coverts light whitish yellow.

Range: Tuamotu Archipelago (Ahe, Apataki, Aratika, Arutua, Faaite, Fakarava, Hiti, Katiu, Kauchi, Makemo, Manihi, Marutea, Maturei-Vavao, Niau, Rangiroa, Raraka, Taenga, Tahanea, Taiaro, Takaroa, Tenararo, Tenaruga, Tepoto, Tikehau, Toau, Tuanake)

***Ptilinopus purpuratus chalcurus* (G. R. Gray, 1859)**

1859 *Ptilonopus chalcurus* G. R. Gray, Cat. Bds. Trop. Isl. Pac., p. 37 (Makatea Island, Paumotu Group)

Description: Differs from *P. p. coralensis* by having the crown magenta and the underparts more greenish.

Range: Tuamotu Archipelago (Makatea)

***Ptilinopus purpuratus insularis* (North, 1908)**

1908 *Ptilopus insularis* North, Rec. Austral. Mus., 7:30 (Henderson Island)

Description: Differs from *P. p. coralensis* by having the crown dark red; the upperparts more bronze, especially the tail; the throat and upper breast darker gray; and the lower belly purer white.

Range: Henderson Island

Remarks: This is a common dove of the original forest and forest edges. The birds on the smaller islands are much tamer than those of the larger, more populated ones. The birds on Tahiti are probably the shyest of all.

RAPA ISLAND FRUIT DOVE

PLATE 15

***Ptilinopus huttoni* (Finsch, 1874)**

1874 *Ptilonopus huttoni* Finsch, Proc. Zool. Soc. London, p. 92 (Rapa Island)

Description: Forehead and crown lavender; hind neck gray-green; rest of upperparts green; wings and tail dark glossy green; chin very pale lavender; throat and upper breast greenish gray; lower breast and belly purple; lower belly and vent yellow; thighs gray; under tail-coverts reddish purple.

Soft Parts: Bill red with yellow tip; iris orange; feet red, slightly more orangish in immatures.

Measurements: Wing ♂ 169, ♀ 165; tail ♂ 118, ♀ 115; bill 21; tarsus 29.

Range: Austral Islands (Rapa)

Remarks: Nothing is recorded of this bird's habits.

WHITE-CAPPED FRUIT DOVE

PLATE 16

***Ptilinopus dupetithouarsii dupetithouarsii* (Neboux, 1840)**

1840 *Columba Du Petithouarsii* Neboux, Rev. Zool., p. 289 (Tahuata, Marquesas)

Description: Forehead and crown white; yellow spot over eye and narrow orange fringe to hind crown; hind neck gray-green; rest of upperparts dull olive-green; wings dark green; inner secondaries dark glossy blue-green; tail bright green with a white tip; chin whitish; throat and upper breast gray washed with green; center of breast reddish orange; lower breast, vent, and under tail-coverts yellow. Immature—differs by lacking white crown and being generally duller.

Soft Parts: Bill, base maroon, tip blue-green; iris gray to olive-brown; feet coral red.

Measurements: Wing 144; tail 78; bill 12; tarsus 26.

Range: Marquesas Islands (Fatu Hiva, Hiva Oa, Motane, Tahuata)

***Ptilinopus dupetithouarsii viridior* (Murphy, 1924)**

1924 *Ptilopus dupetithouarsi viridior* Murphy, Am. Mus. Novit., 115:4 (Nukuhiva, Marquesas)

Description: Differs from *P. d. dupetithouarsii* by having the hind neck, face, chin, throat, and upper breast paler gray washed with light yellow-green; under tail-coverts in series paler yellow.

Range: Marquesas Islands (Nuku Hiva, Ua Huka, Ua Pu)

Remarks: A common dove of the tree tops, it can be found at most any altitude throughout its range.

RED-MOUSTACHED FRUIT DOVE**PLATE 16*****Ptilinopus mercierii tristrami* (Salvadori, 1892)**

1892 *Ptilopus tristrami* Salvadori, Bull. Mus. Zool. Anat. Comp. Univ. Torino, 7:1 (Hivaoa Island, Marquesas Group)

Description: Forehead, crown, and moustache purplish red; an orange-yellow band runs from over the eye around behind the crown to the other eye; hind neck, upper back, throat, and breast gray; chin dirty white; back, rump, and wing-coverts olive-green; wings dark green; tail dark green with gray-white tips to rectrices; belly and under tail-coverts dark yellow; thighs gray.

Soft Parts: Bill, base and nostrils maroon, middle bluish, tip pea green; iris yellow, orbital ring red; feet dark purplish red.

Measurements: Wing ♂ 140, ♀ 136; tail ♂ 82, ♀ 80; bill 18; tarsus 26.

Range: Marquesas Islands (Hiva Oa)

***Ptilinopus mercierii mercierii* (Des Murs and Prevost, 1849)**

1849 *Kurukuru Mercierii* Des Murs and Prevost, Voy. "Venus," Zool., p. 266 (Valley of Mohana, Nukuhiva Island, Marquesas)

Description: Differs from *P. m. tristrami* by having the purplish red of the crown more extensive and lacking the orange-yellow band around behind the crown.

Range: Marquesas Islands (Nuku Hiva). May be extinct.

Remarks: Little is known of this species; the nominate race, *P. m. mercierii*, has not been seen in this century, although several parties have searched for it.

ORANGE DOVE**PLATE 16*****Ptilinopus victor victor* (Gould, 1872)**

1872 *Chrysoena victor* Gould, (1871), Proc. Zool. Soc. London, p. 642 (Bua, Fiji = M'Bua in southwest part of Vanua Levu)

Description: Male—head and chin dark greenish yellow; rest of upperparts bright reddish orange; wings grayish yellow; rectrices grayish yellow with orange tips; underparts bright orange. Female—head and chin

dark olive-yellow; rest of bird dark green except under tail-coverts, which are dark yellow. Immature—similar to female but feathers have yellow margins.

Soft Parts: Bill green; iris yellow; feet greenish.

Measurements: Wing ♂ 120, ♀ 119; tail ♂ 62, ♀ 62; bill 14; tarsus 21.

Range: Fiji (Kio, Lauthala, Rambi, Taveuni, Vanua Levu, Viti Levu)

***Ptilinopus victor aureus* Amadon, 1943**

1943 *Ptilinopus victor aureus* Amadon, Am. Mus. Novit., 1237:7 (Ngamea, Fiji)

Description: Differs from *P. v. victor* as follows: Males—upperparts brighter orange like underparts. Females—brighter underparts. Also larger: wing ♂ 127, ♀ 124; tail 68.

Range: Fiji (Ngamea)

Remarks: Nothing has been recorded with reference to the habits of this bird other than that it eats berries and fruits.

GOLDEN DOVE

PLATE 16

***Ptilinopus luteovirens* (Hombron and Jacquinot, 1841)**

1841 *Columba luteovirens* Hombron and Jacquinot, Ann. Sci. Nat., 16:315 (Ba-laou = Ovalau, Fiji)

1841 *Columba felicia* Hombron and Jacquinot, Ann. Sci. Nat., 16:316 (Viti) [juv. of above]

1844 *Columba flava* G. R. Gray, Gen. Bds., 2:470 (Viti)

1855 *Chrysoena lutea* Bonaparte, Consp. Av., 2:28 (Fiji)

Description: Male—head and chin dark greenish yellow with a yellowish posterior band; back, rump, wing-coverts, throat, and breast feathers narrow and pointed in shape, outermost golden green with bases blackish, giving a grasslike appearance; primaries and secondaries gray-green with yellow margins; tail green; lower breast and under tail-coverts golden yellow; thighs green mottled with yellow. Female—upperparts uniformly dark green; underparts lighter green; feathers of breast, belly, and under tail-coverts have yellow margins.

Soft Parts: Bill green; iris yellow; feet green.

Measurements: Wing ♂ 120, ♀ 119; tail 68; bill 16; tarsus 19.

Range: Fiji (Mbengga, Ngau, Ovalau, Viti Levu, Waya)

Remarks: A well-camouflaged bird of the dense original forest, it is usually found in tree tops but also may be found in the second story.

VELVET DOVE

PLATE 16

***Ptilinopus layardi* (Elliot, 1878)**

- 1875 *Chrysoena viridis* Layard, Proc. Zool. Soc. London, p. 151 (Kandavu, Fiji Islands)
 1878 *Ptilopus layardi* Elliot, Proc. Zool. Soc. London, p. 567 (new name for *Chrysoena viridis* Layard, 1875; not *Columba viridis* Linne, 1766)

Description: Male—head, including chin and upper throat, greenish yellow; rest of bird dark green except for rump, primaries, secondaries, and tail, which are brighter green; lower belly grayish; under tail-coverts yellow. Female—differs from male by having head, chin, and upper throat green; under tail-coverts paler yellow.

Soft Parts: Bill green; iris yellow-gray; feet reddish.

Measurements: Wing ♂ 118, ♀ 116; tail 55; bill 18; tarsus 23.

Range: Fiji (Kandavu, Ono)

Remarks: Nothing has been recorded with reference to this bird's habits.

PACIFIC PIGEON

PLATE 17

***Ducula pacifica pacifica* (Gmelin, 1789)**

- 1789 *Columba pacifica* Gmelin, Syst. Nat., 1:777 (Insulis Amicis = Tonga Islands)
 1829 *Columba globicera* Wagler, Isis, 7:738 (Tonga Islands)
 1855 *Globicera microcera* Bonaparte, Compt. Rend. Acad. Sci. Paris, 40:215 (Vavau and Samoa)
 1914 *Globicera pacifica queenslandica* Mathews, Austr. Av. Rec., 2:84 (Mackay, Queensland; error = Tonga Islands)
 1923 *Ducula pacifica intensitincta* "Neumann" Stresemann, Arch. f. Natürg., 89A:76 (Fiji Islands)

Description: Top of head, hind neck, and upper back gray; back, rump, wings, and tail dark glossy blue-green; chin pale gray; breast gray; belly vinaceous; under tail-coverts dark chestnut.

Soft Parts: Bill black; iris red (brownish in young birds); feet orange-red.

Measurements: Wing 225; tail 148; bill 25; tarsus 32.

Range: Found on all the islands, even small islets, throughout Fiji, Niue, the Samoas, and Tonga to the Solomons.

Remarks: This large forest pigeon is rather wary and lives in the primary and secondary growth of the forest at most any altitude. It seems to favor the tops of dead trees or dead limbs.

SOCIETY ISLANDS PIGEON

PLATE 17

***Ducula aurorae* (Peale, 1848)**

1848 *Carpophaga aurorae* Peale, U. S. Expl. Expd., 8:201 (Makatea Island, Tuamotu Group)

1848 *Carpophaga wilkesii* Peale, U. S. Expl. Expd., 8:203 (Tahiti)

Description: Forehead whitish; head, hind neck, and upper back gray; rest of upperparts black glossed with green; underparts gray.

Soft Parts: Bill black; iris crimson; feet coral-red.

Measurements: Wing ♂ 272, ♀ 260; tail 175; bill 26; tarsus 34.

Range: Society Islands (Tahiti)

Tuamotu Archipelago (Makatea)

Remarks: This is a shy pigeon of the dense forest. Its call is a deep owl-like "hooo hooo," and it has a small casque on its bill.

MARQUESAS PIGEON

PLATE 17

***Ducula galeata* (Bonaparte, 1855)**

1855 *Serresius galeatus* Bonaparte, Compt. Rend. Acad. Sci. Paris, 41:1110 (western part of the Island of Nukuhiva, Marquesas Islands)

Description: Forehead dirty white; crown, hind neck, and upper back dark gray; back, rump, and wing-coverts dark glossy green; primaries black; tail black glossed with green; underparts gray, thighs darker; under tail-coverts chestnut.

Soft Parts: Bill black; iris white; feet dark maroon.

Measurements: Wing ♂ 310, ♀ 296; tail ♂ 235, ♀ 224; bill 39; tarsus ♂ 43, ♀ 35.

Range: Marquesas Islands (Nuku Hiva)

Remarks: A bird of the original forest, this pigeon is found feeding in fruit trees on the western end of the island above 2000 feet. It has a large casque on its bill.

PEALE'S PIGEON

PLATE 17

***Ducula latrans* (Peale, 1848)**

1848 *Carpophaga latrans* Peale, U. S. Expl. Expd., 8:200 (Fiji Islands)

1854 *Carpophaga ochropygia* Bonaparte, Compt. Rend. Acad. Sci. Paris, 39:1074 (Balaou)

Description: Head, neck, and upper back gray; back, rump, and wings brownish gray; tail dull chestnut-brown; chin whitish; throat and breast pinkish gray; belly rufous; under tail-coverts cream washed with rufous.

Soft Parts: Bill black; iris red; feet reddish.

Measurements: Wing ♂ 223–252, ♀ 225–238; tail 175; bill 29; tarsus 34.

Range: Fiji (Avea, Kanathea, Kandavu, Koro, Mango, Matuku, Moala, Mokongai, Naitaumba, Nayau Ngau, Ovalau, Rambi, Taveuni, Thikombia, Thithia, Totoya, Tuvutha, Vanua Levu, Vanuambalavu, Vatuvara, Viti Levu, Wakaya)

Remarks: A pigeon of the dense original forest, it may be found near the ground as well as in tree tops.

PSITTACIDAE

PARROTS

COLLARED LORY

PLATE 18

***Phigys solitarius* (Suckow, 1800)**

1800 *Psittacus solitarius* Suckow, Anf. Theor. ang. Naturg. Thier, 2:334 (Fiji Islands)

1810 *Psittacus vaillanti* Shaw, Nat. Misc., 21, pl. 909 (Southern Islands = Fiji)

1811 *Psittacus coccineus* Shaw, Gen. Zool., 8:472 (no locality = Fiji)

1811 *Psittacus phigy* Bechstein, Kurze Uebers., suppl., p. 81 (Fiji)

Description: Top of head and crest very dark purple; hind collar bright green; upper back crimson; central back and wings green; rump and upper tail-coverts bright green; tail green, the two central rectrices having a central orange spot and the other rectrices having a dark reddish spot on the inner margin; chin, throat, breast, and upper belly crimson; lower belly and thighs purple; under tail-coverts bright green. Immature—breast feathers tipped with purple.

Soft Parts: Bill yellow; iris orange-brown; feet yellowish.

Measurements: Wing ♂ 136, ♀ 131; tail ♂ 65, ♀ 63; bill 16; tarsus 14.

Range: Fiji (Kandavu, Lakemba, Leleuvia, Matuku, Nukulau, Oneata, Ono, Rambí, Taveuni, Tuvutha, Vanua Levu, Vatuvara, Viti Levu, Wakaya, Yathata)

Remarks: A bird of the lowlands, it is usually found in coconut plantations and around flowering trees of the native forest.

RED-THROATED LORIKEET

PLATE 18

Charmosyna amabilis (Ramsay, 1876)

- 1875 *Trichoglossus aureocinctus* Layard, Ann. Mag. Nat. Hist., 16:344 (Fiji Islands)
 1876 *Trichoglossus (Glossopsitta) amabilis* Ramsay, Proc. Linn. Soc. New South Wales, 1:30 (Ovalau, Fiji)

Description: Upperparts green; tail green above with yellow ends to rectrices; lores, cheeks, and throat red; narrow band between throat and breast yellow; breast, belly, and under tail-coverts green; thighs reddish maroon; under surface of tail yellowish. Immature—similar to adults but generally greener, especially the breast bands and under tail surface.

Soft Parts: Bill orange; iris yellow; feet orange.

Measurements: Wing ♂ 94, ♀ 93; tail ♂ 78, ♀ 79; bill 10; tarsus 12.

Range: Fiji (Ovalau, Taveuni, Viti Levu)

Remarks: This little-known and well-camouflaged bird is usually found above 2000 feet feeding in the tops of flowering trees.

BLUE-CROWNED LORY

PLATE 18

Vini australis (Gmelin, 1788)

- 1788 *Psittacus australis* Gmelin, Syst. Nat., 1:329 (Sandwich Islands; error = Samoa)
 1788 *Psittacus fringillaceus* Gmelin, Syst. Nat., 1:337 (South America; error = Samoa)
 1789 *Psittacus porphyrocephalus* Shaw, Nat. Misc., 1, pl. 1 (Islands of South Seas = Samoa)
 1790 *Psittacus pipilans* Latham, Ind. Orn., 1:105 (Sandwich Islands = Samoa)
 1832 *Coriphilus euchlorus* Wagler, Mon. Psitt., p. 564 (Tongatabu, Friendly Islands)

Description: Forehead bright green; crown dark blue; hind collar green; back and wing-coverts dull brownish green; rump and upper tail-

coverts bright green; primaries and secondaries blackish with outer margins green; tail, rectrices dark green tipped with dark golden yellow; chin and throat bright red; breast green; center of belly bright red; lower belly and vent dark purplish red; flanks and under tail-coverts bright green. Immature—less red on face, throat, and abdomen.

Soft Parts: Bill orange-red; iris light yellow-brown; feet orange-red.

Measurements: Wing ♂ 111, ♀ 109; tail ♂ 66, ♀ 64; bill 14; tarsus 13.

Range: American Samoa (Ofu, Olosega, Tau)

Fiji (Fulanga, Mothe, Oneata, Ongea Levu, Vatoa)

Horne Islands (Alofi, Futuna)

Niue

Tonga (Eua, Fotuhaa, Haafeva, Haapai Group, Niuafoo, Niuaotuputapu, Tafahi, Tofua, Tongatapu, Tungua, Uiha, Uoleva, Vavau)

Wallis

Western Samoa (Apolima, Manono, Savaii, Upolu)

Remarks: A common bird, often seen in large flocks, it ranges from seacoast to mountain tops but is found mostly around flowering trees, especially in or near coconut plantations.

RIMATARA LORIKEET

PLATE 18

Vini kuhlii (Vigors, 1824)

1824 *Psittacula Kuhlii* Vigors, Zool. Journ., 1:412 (Toohooteteroooha Island. A day's sail from Otaheite)

1831 *Vini coccinea* Lesson, Illus. Zool., pl. 28 (Society Islands)

Description: Forehead and crown bright green; crest feathers of hind crown dark purplish; hind neck dark green; upper back brownish green; lower back and rump light green; wing-coverts and outer margins of primaries bluish green, with rest of primaries blackish brown; tail, rectrices mostly red with blackish bases and terminated with green; chin, throat, breast, and upper belly bright crimson; lower belly and thighs dark purplish red; under tail-coverts light green. Immature—similar to adults but underparts are mottled with green and the green tips of the rectrices are smaller.

Soft Parts: Bill yellowish; iris reddish yellow; feet orange-yellow.

Measurements: Wing ♂ 134, ♀ 129; tail ♂ 70, ♀ 69; bill 15; tarsus 14.

Range: Austral Islands (Rimatara)

Remarks: This bird is usually found in coconut plantations but also likes the original forest of the mountains; it travels in small flocks.

PLATE 16

- A WHITE-CAPPED FRUIT DOVE
(*Ptilinopus dupetithouarsii dupetithouarsii*), male—page 80
- B RED-MOUSTACHED FRUIT DOVE
(*Ptilinopus mercierii tristrami*), male—page 81
- C ORANGE DOVE
(*Ptilinopus victor victor*), male—page 81
- D ORANGE DOVE
(*Ptilinopus victor victor*), female—page 81
- E GOLDEN DOVE
(*Ptilinopus luteovirens*), male—page 82
- F GOLDEN DOVE
(*Ptilinopus luteovirens*), female—page 82
- G VELVET DOVE
(*Ptilinopus layardi*), male—page 83
- H VELVET DOVE
(*Ptilinopus layardi*), female—page 83
-

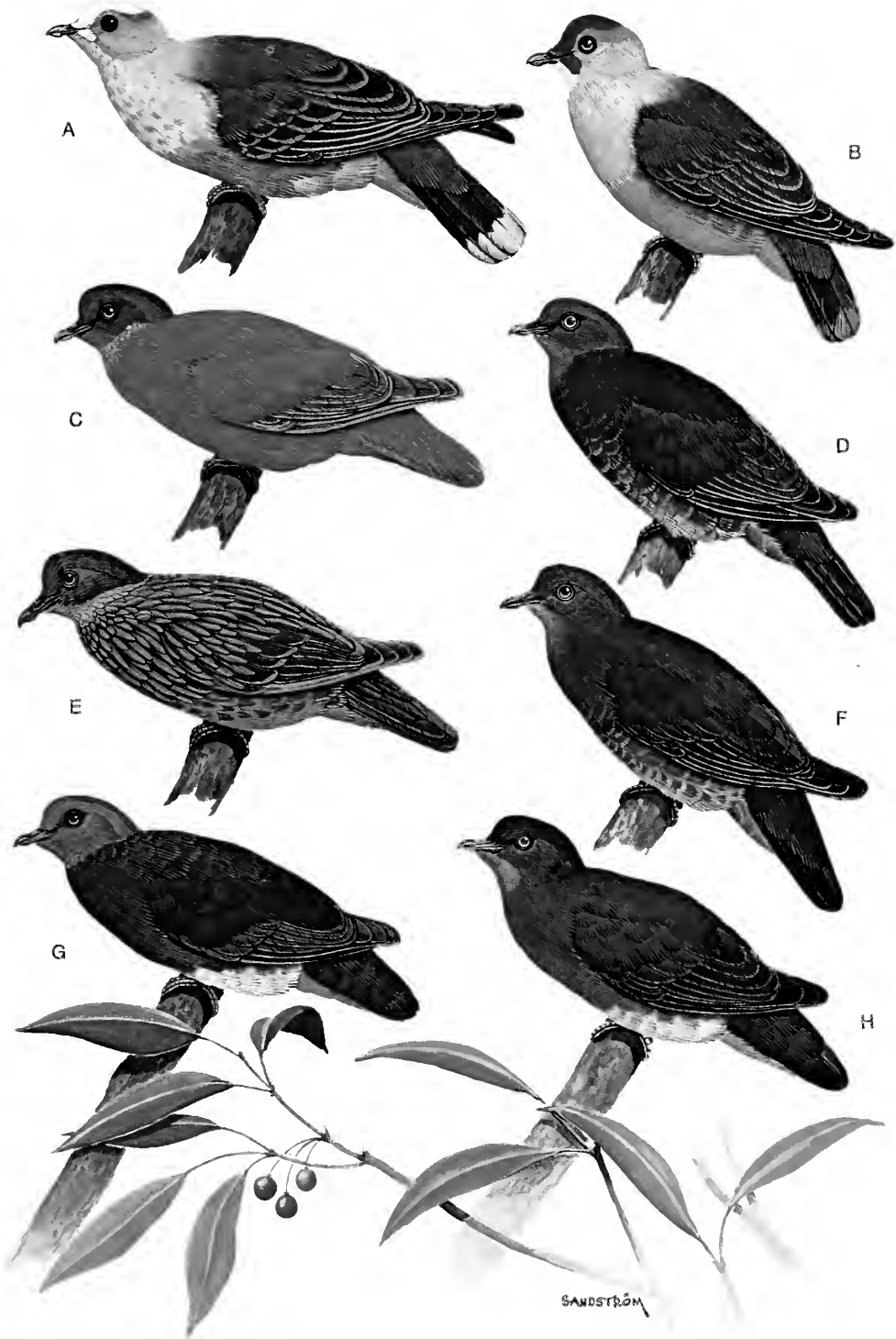


PLATE 16

PLATE 17

- A MARQUESAS PIGEON
(*Ducula galeata*), male—page 84
- B PEALE'S PIGEON
(*Ducula latrans*), male—page 85
- C SOCIETY ISLANDS PIGEON
(*Ducula aurorae*), male—page 84
- D PACIFIC PIGEON
(*Ducula pacifica*), male—page 83
- E ROCK DOVE
(*Columba livia*), male—page 66
- F WHITE-THROATED PIGEON
(*Columba vitiensis vitiensis*), male—page 66
- G WHITE-THROATED PIGEON
(*Columba vitiensis castaneiceps*), male—page 67
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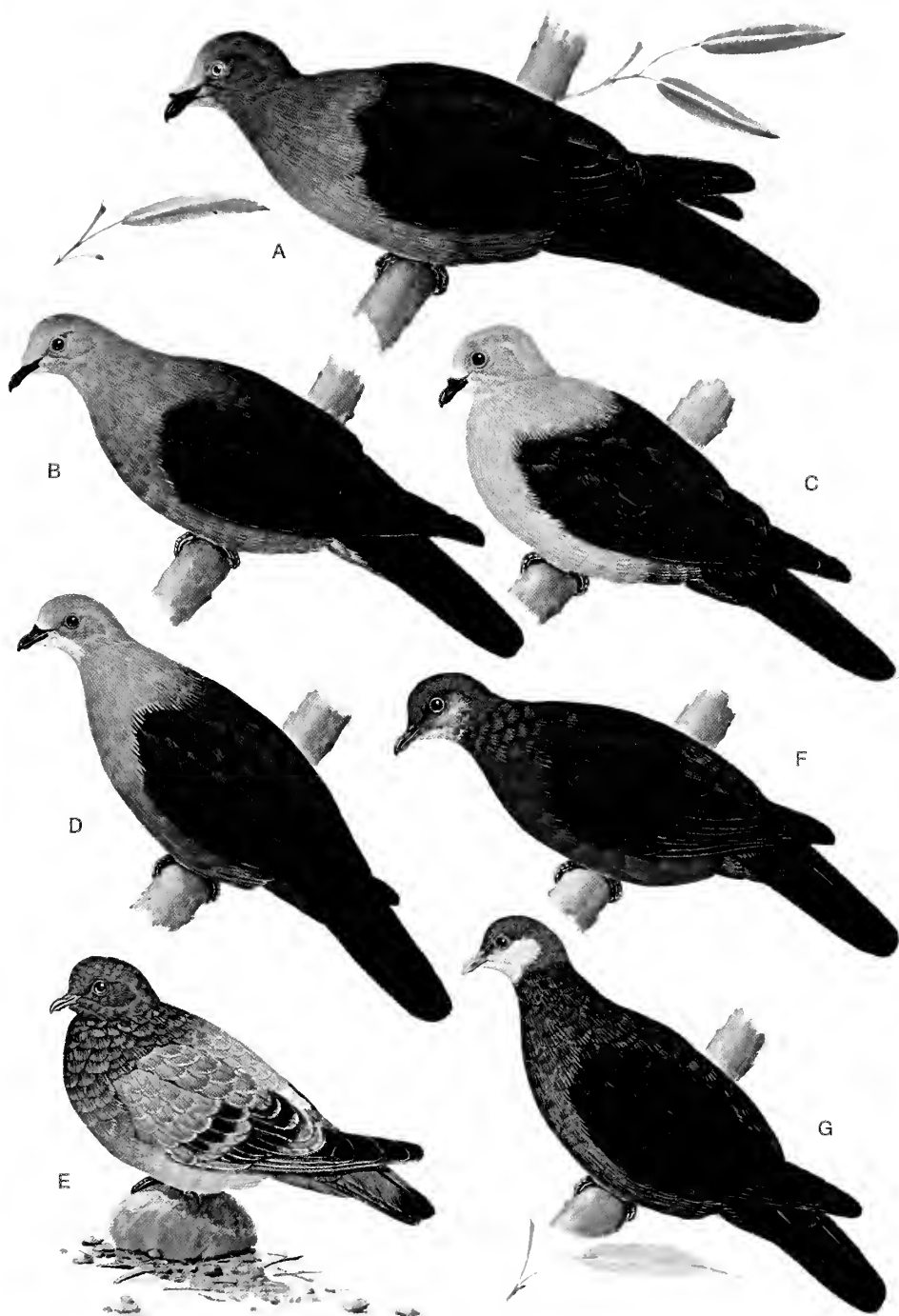


PLATE 17

PLATE 18

- A COLLARED LORY
(*Phigys solitarius*), male—page 85
- B RED-THROATED LORIKEET
(*Charmosyna amabilis*), male—page 86
- C RIMATARA LORIKEET
(*Vini kuhlii*), male—page 87
- D BLUE-CROWNED LORY
(*Vini australis*), male—page 86
- E MARQUESAS LORIKEET
(*Vini ultramarina*), male—page 95
- F HENDERSON ISLAND LORIKEET
(*Vini stepheni*), male—page 94
- G PACIFIC LORIKEET
(*Vini peruviana*), male—page 94
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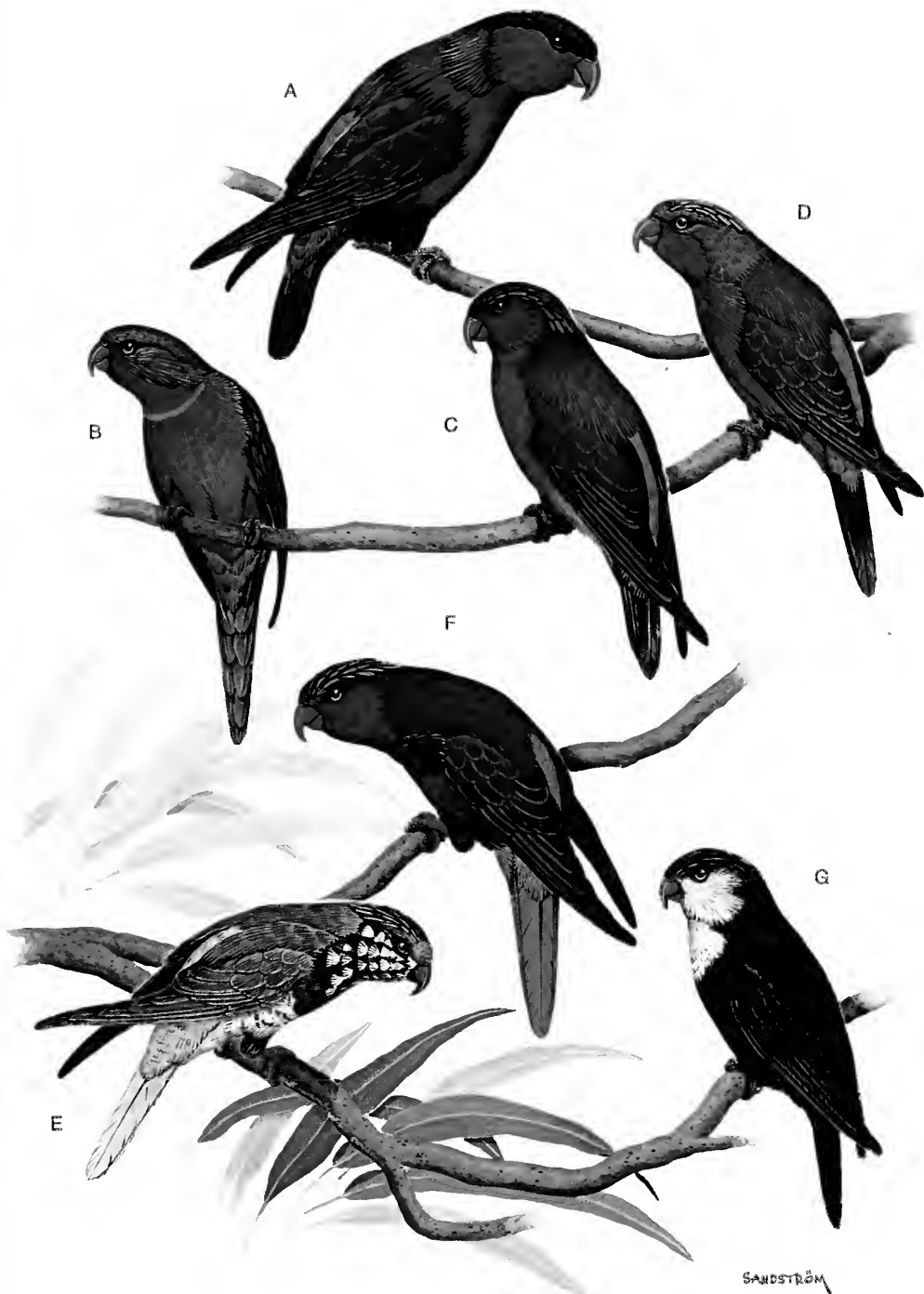


PLATE 18

HENDERSON ISLAND LORIKEET

PLATE 18

Vini stepheni (North, 1908)

- 1908 *Calliptilus* (?) *stepheni* North, Rec. Austral. Mus., 7:29 (Henderson Island)
 1913 *Vini hendersoni* Ogilvie-Grant, Bull. Brit. Orn. Cl., 31:60 (Henderson Island)

Description: Forehead and crown bright green; back and wing-coverts brownish green; primaries blackish with green outer margins; lower back, rump, and upper tail-coverts light green; tail yellow-green with outer rectrices having a red spot near the base on the inner margin; chin, throat, breast, and upper belly crimson with a greenish purple breast band; lower belly and thighs dark purplish red; under tail-coverts bright green.

Soft Parts: Bill yellowish; iris yellow; feet yellow-orange.

Measurements: Wing ♂ 129, ♀ 126; tail ♂ 90, ♀ 88; bill 13; tarsus 14.

Range: Henderson Island

Remarks: The habits of this bird are unknown.

PACIFIC LORIKEET

PLATE 18

Vini peruviana (P. L. S. Müller, 1776)

- 1776 *Psittacus peruvianus* P. L. S. Müller, Natursyst., suppl., 1776:80 (Peru = Tahiti)
 1787 *Psittacus cyaneus* Sparrman, Mus. Carls., pl. 27 (Tahiti)
 1788 *Psittacus taitianus* Gmelin, Syst. Nat., p. 329 (Tahiti)
 1788 *Psittacus varius* Gmelin, Syst. Nat., p. 337 (South America; error = Tahiti)
 1789 *Psittacus porphyrio* Shaw and Nodder, Nat. Misc., 1, pl. 7 (Tahiti)
 1811 *Psittacus sparrmanni* Bechstein, Kurze Uebers, suppl., p. 80 (Tahiti)
 1830 *Lorius vini* Lesson, Traite d' Orn., p. 194 (Tahiti)
 1832 *Coriphilus sapphirinus* Wagler, Mon. Psitt., p. 563 (Tahiti)
 1907 *Coriphilus cyaneus* S. B. Wilson, Ibis, p. 379 (Borabora)
 1907 *Coriphilus cyanescens* S. B. Wilson, Ibis, p. 653 (new name for *Coriphilus cyaneus* S. B. Wilson, 1907; not *Psittacus cyaneus* Sparrman, 1787)

Description: Top of head, back, rump, and wing-coverts dark blue; primaries and rectrices blackish; chin, throat, and upper breast white; rest of underparts dark bluish black. Immature—differs from adult by having the underparts uniformly grayish black.

Soft Parts: Bill orange; iris light brown; feet orange.

Measurements: Wing ♂ 112, ♀ 110; tail ♂ 68, ♀ 67; bill 13; tarsus 13.

Range: Cook Islands (Aitutaki—possibly introduced)

Society Islands (Bora-Bora, Moorea, Scilly, Tahiti)

Tuamotu Archipelago (Apataki, Arutua, Kaukura, Rangiroa, Tikehau)

Remarks: Now restricted in its range to the Tuamotu Archipelago, this bird may be found in coconut plantations but is most common in the remaining original forests.

MARQUESAS LORIKEET

PLATE 18

Vini ultramarina (Kuhl, 1820)

- 1820 *Psittacus ultramarinus* Kuhl, Nova Acta Acad. Caes. Leop. Carol., 10:49 (New Holland = Marquesas)
- 1841 *Psittaculus smaragdinus* Hombron and Jacquinot, Ann. Sci. Nat., 16:318 (Marquesas)
- 1842 *Coryphilus dryas* Gould, Proc. Zool. Soc. London, p. 165 (Marquesas)
- 1843 *Psittacus* ou *Psittacula Lessoni* Lesson, Echo du Monde Sav., col. 924 (Nukahiva = Nuku Hiva, Marquesas)
- 1853 *Coryphilus goupilii* Pucheran, Voy. Pole Sud, Zool., 3:103 (Marquesas)

Description: Forehead bright ultramarine; crown and hind neck dark blue; back and wing-coverts ultramarine; rump and upper tail-coverts light ultramarine; primaries and secondaries blackish with outer margins dark ultramarine; tail white with outer margins pale ultramarine; chin and throat dark slate-blue with white-tipped feathers; breast band dark slate-blue; belly white with feathers having dark slate bases, giving a mottled appearance. Immature—similar to adult but lacks white on underparts.

Soft Parts: Bill, upper mandible yellow, lower mandible blackish; iris brownish yellow; feet brown.

Measurements: Wing ♂ 119, ♀ 117; tail ♂ 77, ♀ 74; bill 14; tarsus 13.

Range: Marquesas Islands (Nuku Hiva, Ua Pu)

Remarks: A bird of the original forest, it can be found feeding on flowering trees above 1500 feet.

RED-BREASTED MUSK PARROT

PLATE 19

***Prosopiea tabuensis tabuensis* (Gmelin, 1788)**

- 1788 *Psittacus tabuensis* Gmelin, Syst. Nat., 1:317 (Friendly Islands = Tonga)
 1792 *Psittacus atropurpureus* Shaw, Mus. Lever., p. 140 (New Holland; error = Fiji)
 1837-38 *Conurus Anna* Bourjot St. Hilaire, Hist. Nat. Perr., 3, pl. 38 (Australasia)

Description: Forehead blackish maroon; crown and cheeks dark maroon; narrow blue collar; back, rump, and wing-coverts green; primaries and tail blue; chin blackish; throat, breast, belly, and under tail-coverts maroon.

Soft Parts: Bill black; iris orange; feet black.

Measurements: Wing ♂ 250, ♀ 236; tail ♂ 231, ♀ 230; bill ♂ 34, ♀ 28; tarsus ♂ 29, ♀ 27.

Range: Fiji (Ngau)

Tonga (Eua, Tongatapu). Extinct.

***Prosopiea tabuensis splendens* (Peale, 1848)**

- 1848 *Platycercus splendens* Peale, U. S. Expl. Expd., 8:127 (Peale's River, Viti Levu, Fiji)

Description: Differs from *P. t. tabuensis* by having the forehead, cheeks, and crown crimson; the blue collar wider; and the underparts crimson. Also smaller.

Measurements: Wing ♂ 230, ♀ 220; tail ♂ 214, ♀ 213.

Range: Fiji (Kandavu; introduced on Viti Levu)

***Prosopiea tabuensis atrogularis* (Peale, 1848)**

- 1848 *Platycercus atrogularis* Peale, U. S. Expl. Expd., 8:129 (Feejee Islands = Vanua Levu)

Description: Differs from *P. t. tabuensis* by having the feathers at the base of the bill blackish and the blue collar wider and more conspicuous.

Range: Fiji (Kio, Vanua Levu)

***Prosopiea tabuensis koroensis* (Layard, 1876)**

- 1876 *Platycercus koroensis* Layard, Ibis, p. 394 (Koro, Fiji Islands)

Description: Differs from *P. t. atrogularis* by lacking the blue collar and having the rump feathers tipped with maroon; differs from other races by having the maroon underparts darker.

Range: Fiji (Koro)

***Prosopiea tabuensis taviunensis* (Layard, 1876)**

- 1876 *Platycercus taviunensis* Layard, Ibis, p. 141 (Taviuni, Fiji Islands)

Description: Differs from most races (i.e., except *P. t. koroensis*) by lacking the blue collar and from all races by its smaller size.

Measurements: Wing ♂ 224, ♀ 201; tail ♂ 194, ♀ 172.

Range: Fiji (Nggamea, Taveuni)

Remarks: A bird of the thick bush, it often feeds in fruit trees. It is found singly or in small flocks.

YELLOW-BREASTED MUSK PARROT

PLATE 19

Prosopoeia personata (G. R. Gray, 1848)

1848 *Coracopsis* (?) *personata* G. R. Gray, Proc. Zool. Soc. London, p. 21 (New Guinea; error = Fiji)

Description: Forehead, cheeks, and chin black; upperparts green, with crown and rump brighter than the rest; primaries bluish; throat green; center of breast yellow; center of belly deep orange; flanks and under tail-coverts green.

Soft Parts: Bill black; iris orange; feet black.

Measurements: Wing ♂ 243, ♀ 229; tail ♂ 232, ♀ 224; bill ♂ 31, ♀ 26; tarsus ♂ 24, ♀ 23.

Range: Fiji (Viti Levu; formerly on Kandavu and Ovalau)

Remarks: A parrot of the underbrush and trees, this retiring bird may be found by its raucous call and its preference for original forest.

BLACK-FRONTED PARAKEET

PLATE 20

Cyanoramphus zealandicus (Latham, 1790)

1790 *Psittacus zealandicus* Latham, Ind. Orn., 1:102 (New Zealand = Society Islands)

1820 *Psittacus erythronothus* Kuhl, Nova Acta Acad. Caes. Leop. Carol., 10:45 (New Holland = Society Islands)

1845 *Conurus phaeton* Des Murs, Rev. Zool., p. 449 (Tahiti)

1868 *Cyanoramphus forsteri* Finsch, Papag., 2:270 (new name for *Psittacus erythronotus* Kuhl, 1820)

1897 *Cyanoramphus magnirostris* Forbes and Robinson, Bull. Liverpool Mus., 1:21 (Tahiti, Society Islands)

Description: Forehead blackish brown; crown, back, and wing-coverts green; rump red; primaries blue-green, with outer web violet-blue; tail blue-green; lores and stripe behind eye red; underparts bluish green, somewhat darker on chin and throat.

Soft Parts: Bill bluish; iris unrecorded; feet gray-brown.

Measurements: Specimens unsexed average in wing 140; tail 139; bill 19; tarsus 25.

Range: Society Islands (Tahiti). Extinct.

Remarks: This bird has not been seen since 1844 and nothing is known of its habits; it was scarce when Captain Cook visited the islands in 1773.

SOCIETY PARAKEET

PLATE 20

Cyanoramphus ulietanus (Gmelin, 1788)

1788 *Psittacus ulietanus* Gmelin, Syst. Nat., 1:328 (Ulietea, Society Islands)

Description: Head blackish brown; upper back and wing-coverts dark brownish green; lower back and rump red; tail-coverts green; tail olive-brown; underparts olive-yellow.

Soft Parts: Bill gray; iris unrecorded; feet gray-brown.

Measurements: Specimens unsexed average in wing 137; tail 132; bill 21; tarsus 23.

Range: Society Islands (Raiatea). Extinct.

Remarks: The habits of this bird are unknown. Two specimens were collected by Captain Cook in 1773, but none has been seen since that time.

CUCULIDAE

CUCKOOS

FAN-TAILED CUCKOO

PLATE 20

Cacomantis pyrrhophanus simus (Peale, 1848)

1848 *Cuculus simus* Peale, U. S. Expl. Expd., 8:134 (Sandalwood Bay, Fiji Islands)

1866 *Cuculus infuscatus* Hartlaub, Ibis, p. 172 (Viti Levu, Fiji)

Description: Upperparts gray with a strong greenish gloss; upper tail-coverts and tail blue-black, rectrices barred with white; underparts rufous.

Soft Parts: Bill, upper mandible black, lower mandible horn; iris brown; feet yellowish.

Measurements: Wing ♂ 127, ♀ 132; tail 131; bill 22; tarsus 23.

Range: Fiji (Kandavu, Makongai, Mathuata, Mbengga, Navandra, Ovalau, Taveuni, Vanua Kula, Vanua Levu, Vatu-I-Ra, Viti Levu, Wakaya, Yasawa)

Remarks: This is a common bird of the open country and forest edges.

LONG-TAILED CUCKOO

PLATE 20

Eudynamis taitensis (Sparrman, 1787)

- 1787 *Cuculus taitensis* Sparrman, Mus. Carls., pl. 32 (no locality = Tahiti)
- 1788 *Cuculus tahitiensis* Gmelin, Syst. Nat., 1:412 (Tahiti)
- 1817 *Cuculus perlatus* Vieillot, Nouv. Dict. d'Hist. Nat., ed. 8, p. 232 (no locality = Tahiti, Society Islands)
- 1844 *Cuculus fasciatus* Forster, Descr. Anim., ed. Licht., p. 160 (Huaheine and Otaheiti = Tahiti)
- 1848 *Eudynamis cuneicauda* Peale, U. S. Expl. Expd., 8:139 (Ovalau, Fiji)
- 1917 *Urodynamis taitensis pheletes* Wetmore, Proc. Biol. Soc. Wash., 30:1 (Otago Prov., New Zealand)
- 1918 *Urodynamis taitensis belli* Mathews, Bull. Brit. Orn. Cl., 29:24 (Norfolk Island)

Description: Upperparts dark brown barred with rufous; superciliary stripe buffy white; chin and throat white washed with rufous and streaked dark brown on all sides; breast and belly white streaked with dark brown.

Soft Parts: Bill, upper mandible blackish, lower mandible horn whitish; iris orange-yellow; feet greenish.

Measurements: Wing ♂ 189, ♀ 181; tail ♂ 230, ♀ 215; bill 30; tarsus 33.

Range: Breeds in New Zealand and winters throughout the Central Pacific.

American Samoa (Aunuu, Manua Islands, Ofu, Olosega, Tau, Tutuila)

Austral Islands (Raevavae, Rapa, Rimatara, Tubuai, Varitao)

Cook Islands (Danger Atoll, Palmerston, Rarotonga)

Fiji (Luvuka, Mokani, Nakusemanu, Nanuku Levu, Ovalau, Taveuni, Vanuavatu, Vatoa, Viti Levu, Wakaya)

Horne Islands (Alofi, Futuna)
 Marquesas Islands (Nuku Hiva)
 Niue
 Pitcairn Island
 Society Islands (Bora-Bora, Huahine, Mehetia, Moorea, Raia-
 tea, Tahiti)
 Tonga (Ata, Eua, Fonualei, Niuafoo, Nomuka, Tongatapu,
 Vavau)
 Tuamotu Archipelago (Apataki, Hiti, Katiu, Magareva, Maka-
 tea, Makemo, Maria, Taiaro, Takahau, Takapoto, Takume,
 Tenaruga)
 Wallis
 Western Samoa (Savaii, Upolu)

Remarks: This is a migratory bird of the lowlands, most often seen in scrub but also found in low trees.

TYTONIDAE

BARN OWLS

BARN OWL

PLATE 20

Tyto alba lulu (Peale, 1848)

1848 *Strix lulu* Peale, U. S. Expl. Expd., 8:74 ("Upolu and other islands of the Samoan group")

Description: Upperparts gray mottled with dark brown and burnt orange; tail with four dark brown bars; face white with chestnut-brown around eyes; underparts white spotted with black.

Soft Parts: Bill yellowish; iris black; feet yellowish brown.

Measurements: Wing 272; tail 112; bill 34; tarsus 64.

Range: American Samoa (Aunuu, Ofu, Olosega, Tau, Tutuila)
 Fiji (Aiwa, Kandavu, Ndravuni, Olorua, Ono-I-Lau, Taveuni,
 Vanua Kula, Vanua Levu, Vatulele, Viti Levu, Yasawa)
 Horne Islands (Futuna)
 Niue
 Rotuma
 Tonga (Haano, Hunga Haapai, Niuafoo, Nomuka, Telekiton-
 ga, Uiha, Uoleva)
 Western Samoa (Savaii, Upolu)

Remarks: The barn owl is common from seacoast to mountains. It is usually found from dusk to dawn in open areas where it hunts for mice. The loud, rasping, buglike call can be heard for some distance. Peters lists this bird from the Society Islands, but I know of no specimens from that locality.

GRASS OWL

PLATE 20

***Tyto capensis walleri* (Diggles, 1866)**

1866 *Strix walleri* Diggles, Orn. Austr., pt. 7, pl. 14 (Brisbane, Queensland)

1879 *Strix oustaleti* Hartlaub, Proc. Zool. Soc. London, p. 295 (Wai-manu River, Viti Levu, Fiji Islands)

Description: Upperparts dark brown mottled with golden orange and spotted with white; tail golden orange with dark brown bars; underparts white, washed with ochre and spotted with dark brown.

Soft Parts: Bill pinkish white; iris blackish brown; feet gray-brown.

Measurements: Wing 357; tail 124; bill 39; tarsus 80.

Range: Fiji (Viti Levu)

Remarks: This is a rare owl of the grasslands; there are no recent records.

APODIDAE

SWIFTS

WHITE-RUMPED SWIFTLET

PLATE 22

***Collocalia spodiopygia spodiopygia* (Peale, 1848)**

1848 *Macropteryx spodiopygius* Peale, U. S. Expl. Expd., 8:176 (Upolu and Tutuila, Samoan Islands)

1854 *Herse forsteri* Hartlaub, Journ. f. Orn., 2:169 (new name for *Hirundo peruviana* Forster, 1844)

Description: Upperparts dark brown washed with a greenish gloss and a whitish band across rump; underparts gray-brown.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing 116; tail 50; bill 5; tarsus 8.

Range: American Samoa (Manua Islands, Tutuila)
Western Samoa (Apolima, Savaii, Upolu)

PLATE 19

- A RED-BREASTED MUSK PARROT
(*Prosopeia tabuensis splendens*), male—page 96
- B RED-BREASTED MUSK PARROT
(*Prosopeia tabuensis taviunensis*), male—page 96
- C RED-BREASTED MUSK PARROT
(*Prosopeia tabuensis koroensis*), male—page 96
- D RED-BREASTED MUSK PARROT
(*Prosopeia tabuensis tabuensis*), male—page 96
- E RED-BREASTED MUSK PARROT
(*Prosopeia tabuensis atrogularis*), male—page 96
- F YELLOW-BREASTED MUSK PARROT
(*Prosopeia personata*), male—page 97
-

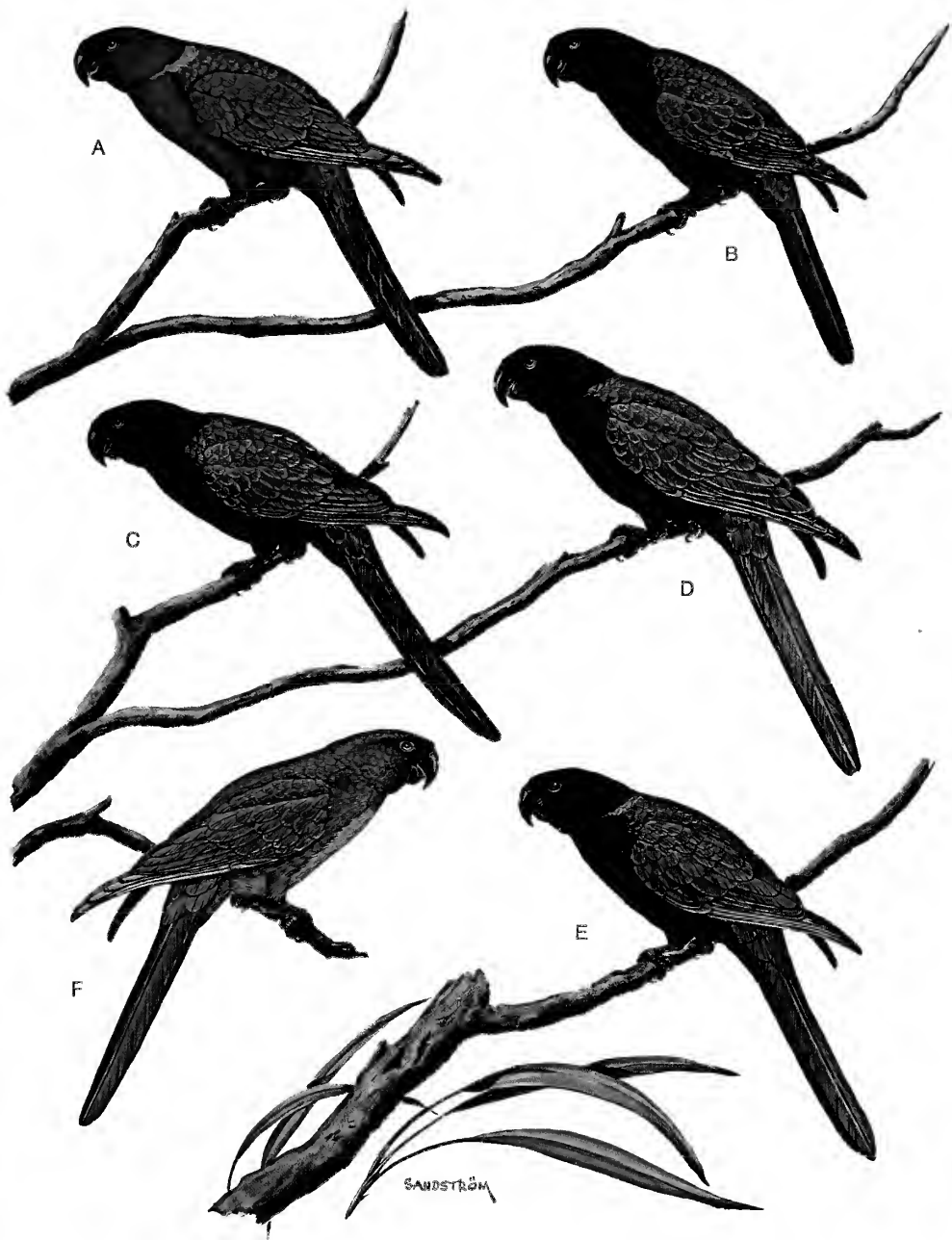
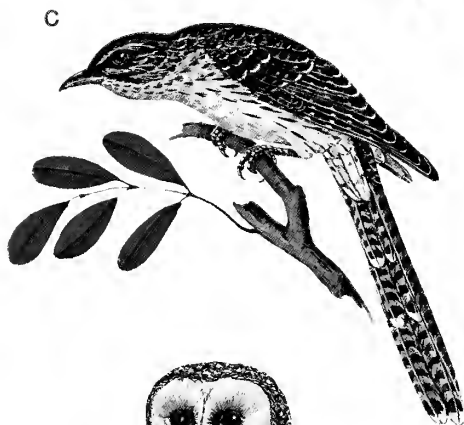
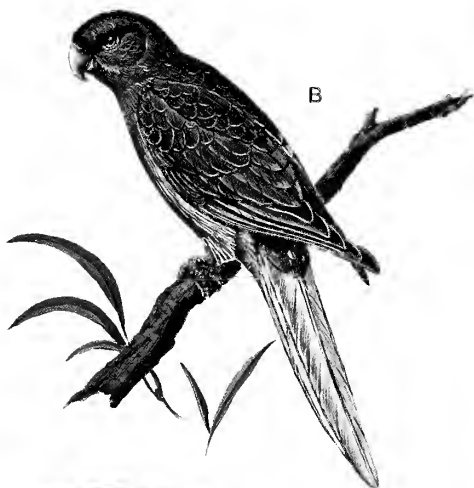
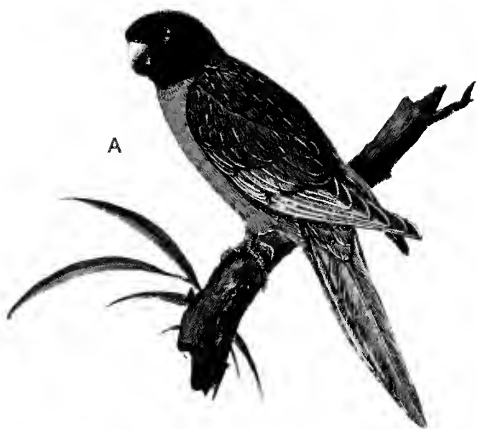


PLATE 19

PLATE 20

- A SOCIETY PARAKEET
(*Cyanoramphus ulietanus*)—page 98
- B BLACK-FRONTED PARAKEET
(*Cyanoramphus zealandicus*)—page 97
- C LONG-TAILED CUCKOO
(*Eudynamys taitensis*), male—page 99
- D FAN-TAILED CUCKOO
(*Cacomantis pyrrhophanus simus*), male—page 98
- E BARN OWL
(*Tyto alba lulu*), male—page 100
- F GRASS OWL
(*Tyto capensis walleri*), male—page 101
-



***Collocalia spodiopygia assimilis* Stresemann, 1912**

1912 *Collocalia francica assimilis* Stresemann, Nov. Zool., **19**:350 (Fiji Islands)

1918 *Zoonava francica oberholseri* Mathews, Bds. Austr., **7**:253 (Fiji Islands)

Description: Differs from *C. s. spodiopygia* by having the white of the rump reduced and less white, almost buffy.

Range: Fiji (Avea, Fulanga, Kambara, Kandavu, Katafanga, Koro, Lakemba, Mana, Mango, Matathawa Levu, Moala, Namukalau, Ndravuni, Niau, Oneata, Ongea Levu, Ono, Ovalau, Taveuni, Thikombia-I-Lau, Thithia, Tuvutha, Vatulele, Vawa, Viti Levu, Yathata)
Horne Islands (Futuna)

***Collocalia spodiopygia townsendi* Oberholser, 1906**

1906 *Collocalia francica townsendi* Oberholser, Proc. Acad. Nat. Sci. Phila., **58**:197 (Eua Island, Tonga)

Description: Differs from *C. s. spodiopygia* by having the rump band more whitish.

Range: Niue

Tonga (Ava, Eua, Kao, Late, Niuafoou, Tofua, Vavau)

Remarks: This swiftlet is a common bird of the lowlands. It may be found flying around coconut trees, and it nests deep in caves.

TAHITI SWIFTLET**PLATE 22*****Collocalia leucophaea leucophaea* (Peale, 1848)**

1848 *Macropteryx leucophaeus* Peale, U. S. Expl. Expd., **8**:178 (Tahiti)

1858 *Collocalia cinerea* Cassin, U. S. Expl. Expd., **8**:183 (Tahiti)

1906 *Collocalia thespesia* Oberholser. Proc. Acad. Nat. Sci. Phila., **58**:195 (Tahiti)

1974 ?*Collocalia sawtelli* Holyoak, Bull. Brit. Orn. Cl., **94**:146 (Annataketake Cave, Atiu, Cook Islands). Morphologically indistinct (specimens examined) but alleged to differ from *C. l. leucocephala* by echo locating.

Description: Entire bird brown; underparts paler.

Soft Parts: Bill black; iris brown; feet pinkish brown.

Measurements: Wing 120; tail 60; bill 5; tarsus 10.

Range: Cook Islands (Atiu)

Society Islands (Moorea, Tahiti)

Collocalia leucophaea ocista Oberholser, 1906

1906 *Collocalia ocista* Oberholser, Proc. Acad. Nat. Sci. Phila., 58:184 (Nukuhiva, Marquesas Islands)

Description: Differs from *C. l. leucophaea* by being darker brown and having a metallic green wash on the upperparts.

Range: Marquesas Islands (Eiao, Hiva Oa, Nuku Hiva, Tahuata, Ua Huka, Ua Pu)

Remarks: A bird of the high mountains, it nests in caves and is most often seen during early morning and evening hours.

SPINE-TAILED SWIFT

Chaetura caudacuta (Latham, 1801)

1801 *Hirundo caudacuta* Latham, Ind. Orn., suppl., p. lvii (New South Wales)

Description: Top of head and upperparts light brown; tail and wings black with a green gloss; chin and throat white; breast and belly brown; under tail-coverts white tipped with brown.

Range: Fiji (Vatulele), as a migrant from Siberia

Remarks: The recent publication (March 1975) of a sight record from Fiji made it impossible to include this swift on a plate in this book. However, it is possible to list the species here. This Siberian migrant winters in Australia and New Zealand and should be looked for in other places in the southwest Pacific. Different subspecific identification will be determined when specimens are obtained.

ALCEDINIDAE

KINGFISHERS

FLAT-BILLED KINGFISHER

PLATE 21

Halcyon recurvirostris (Lafresnaye, 1842)

1842 *Todiramphus recurvirostris* Lafresnaye, Rev. Zool., p. 134 (In insulis maris Australis = Samoa)

1842 *Halcyon platyrostris* Gould, Proc. Zool. Soc. London, p. 72 (Navigators Islands)

1848 *Dacelo minima* Peale, U. S. Expl. Expd., 8:159 (Upolu, Samoa)

Description: Male—upperparts bright greenish blue; primaries and rectrices somewhat darker; lores and superciliary spot buffy; ear-coverts blue-green; band on hind neck ochraceous-buff; chin, throat, and upper breast white; lower breast, flanks, and belly buff. Female—similar to male but upperparts duller. Immature—feathers of breast and hind neck edged with blackish.

Soft Parts: Bill, upper mandible black, lower mandible black with a white base; iris brown; feet black.

Measurements: Wing ♂ 80, ♀ 78; tail 64; bill 37.

Range: Western Samoa (Apolima, Savaii, Upolu)

Remarks: A common bird of the lowlands, it is usually found in pairs. The birds call to each other or in unison so that it sounds like one bird. It is most often found sitting on a dead limb.

WHITE-COLLARED KINGFISHER

PLATE 21

Halcyon chloris vitiensis (Peale, 1848)

- 1848 *Dacelo vitiensis* Peale, U. S. Expl. Expd., 8:156 (Vanua Levu and Ovalau, Fiji Islands)
 1867 *Halcyon cassini* Finsch and Hartlaub, Beitr. Fauna Cent., Orn., p. 40 (Ovalau)
 1870 *Halcyon superciliosa* Gray, List Fissir. Brit. Mus., p. 56 (Fiji)
 1892 *Halcyon suvensis* Sharpe, Cat. Bds. Brit. Mus., 17:281 (Suva, Fiji)

Description: Male—top of head, back, and rump greenish blue; wings and tail blue; lores ochraceous; a white stripe runs from one eye, around behind the head, to the other eye, becoming more ochraceous at the nape; ear-coverts and collar beneath white stripe are blackish green; underparts white with light ochre wash on the flanks. Female—differs from the male by lacking the ochre on the lores, nape, and flanks and by having the ear-coverts darker.

Soft Parts: Bill blackish horn; iris brown; feet brownish.

Measurements: Wing ♂ 92, ♀ 99; tail ♂ 70, ♀ 74; bill 43; tarsus 14.

Range: Fiji (Koro, Ngau, Ovalau, Taveuni, Vanua Levu, Viti Levu)

Halcyon chloris marina Mayr, 1941

- 1941 *Halcyon chloris marina* Mayr, Am. Mus. Novit., 1152:2 (Ongea Levu, Fiji Islands)

Description: Differs from *H. c. vitiensis* by having the upperparts greener, loreal spot larger, both collars broader, and underparts pure white. Also lacks the light ochre wash. Wing ♂ 95, ♀ 96.

Range: Fiji (Lau Archipelago)

Halcyon chloris eximia Mayr, 1941

- 1941 *Halcyon chloris eximia* Mayr, Am. Mus. Novit., 1152:2 (Ono Island, Fiji Islands)

Description: Differs from *H. c. marina* by having the upperparts bluer, ochre collar narrower, loreal patch smaller, and hanks with a slight ochre wash in males; also larger (wing ♂ 99, ♀ 102).

Range: Fiji (Kandavu, Ndravuni, Ono, Vanua Kula, Yaukuve Levu)

Halcyon chloris sacra (Gmelin, 1788)

- 1788 *Alcedo sacra* Gmelin, Syst. Nat., 1:453 (Society Islands, New Zealand, Philippines = Tongatabu, Tonga Islands)
1919 *Sauropatis sacra rabulata* Wetmore, Bull. Mus. Comp. Zool., 63:197 (Eua, Tonga Islands)
1919 *Sauropatis sacra celada* Wetmore, Bull. Mus. Comp. Zool., 63:198 (Vavau, Tonga Islands)

Description: Differs from *H. c. vitiensis* by having the upperparts much bluer, loreal spot larger and whiter, white collar wider and whiter (less ochre), ear-coverts blue-green, and underparts white; also larger (wing ♂ 103, ♀ 106).

Range: Tonga (Ava, Eua, Foa, Fonoifua, Fotuhaa, Haafeva, Haano, Hunga, Hunga Haapai, Kao, Kelelesia, Late, Mango, Moun-gaone, Nomuka, Nomuka Iki, Ofolanga, Oua, Telekitonga, Tofua, Toku, Tongatapu, Tungua, Uiha, Uoleva, Vavau)

Halcyon chloris regina Mayr, 1941

- 1941 *Halcyon chloris regina* Mayr, Am. Mus. Novit., 1152:2 (Futuna Island, Central Polynesia)

Description: Male—top of head, back, and scapulars greenish; rump, tail, and primaries blue-green; lores and wide collar ochre, becoming quite dark at nape; cheeks and ear-coverts greenish black; underparts white with an ochre wash. Female—unknown.

Measurements: Wing ♂ 98; tail ♂ 64; bill ♂ 33; tarsus ♂ 13.

Range: Horne Islands (Futuna)

Halcyon chloris manuae Mayr, 1941

- 1941 *Halcyon chloris manuae* Mayr, Amer. Mus. Novit., 1152:2 (Manua Islands, Samoa, Tau)

Description: Differs from *H. c. sacra* by having the upperparts greener, loreal spot larger, white collar wider, and nuchal collar darker. Males have loreal spot and white collar washed with ochre. Wing ♂ 98, ♀ 100.

Range: American Samoa (Ofu, Olosega, Tau)

Halcyon chloris pealei Finsch and Hartlaub, 1868

- 1848 *Halcyon coronata* Peale, U. S. Expl. Expd., 8:160 (Tutuila)
 1868 *Halcyon Pealei* Finsch and Hartlaub, Beitr. Fauna Cent., Orn., p. 38 (Tutuila, Samoa) (new name for *Halcyon coronata* Peale; not *H. coronata* S. Müller, 1843)
 1892 *Halcyon tutuila* Sharpe, Cat. Bds. Brit. Mus., 17:266 (Tutuila, Samoan Islands)

Description: Differs from *H. c. manuae* by having the forehead white, washed with rufous in the males, and the white collar wider. Wing ♂ 96, ♀ 99.

Range: American Samoa (Tutuila)

Remarks: This kingfisher is a common bird found throughout the islands from the seacoast to the forest streams. It is most often seen sitting on a dead limb or telephone wire.

SOCIETY ISLANDS KINGFISHER**PLATE 21****Halcyon venerata venerata** (Gmelin, 1788)

- 1788 *Alcedo venerata* Gmelin, Syst. Nat., 1:453 (Insula amici = Society Islands)
 1848 *Dacelo nullitorquis* Peale, U. S. Expl. Expd., 8:155 (Tahiti)

Description: Upperparts brownish green, crown paler, primaries and rectrices greener; nasal tufts dirty white; indistinct superciliary and ear-coverts greenish; underparts white, breast mottled with black streaks. Immature—upperparts browner and with a dark brown breast band.

Soft Parts: Bill, upper mandible black, lower mandible black with a white base; iris brown; feet purplish black.

Measurements: Wing ♂ 102, ♀ 108; tail 76; bill 39; tarsus 18.

Range: Society Islands (Tahiti)

Halcyon venerata youngi (Sharpe, 1892)

- 1892 *Todirhamphus youngi* Sharpe, Cat. Bds. Brit. Mus., 17:289 ("Morea" = Moorea, Society Islands)

Description: Differs from *H. v. venerata* by having the upperparts brown, feathers edged with white; nasal tuft larger; ear-coverts brown, lacking the green. Underparts similar.

Range: Society Islands (Moorea)

Remarks: A common bird of the original forest near stream beds, this bird is most often heard calling during the early hours of the day.

SOUTH PACIFIC KINGFISHER

PLATE 21

***Halcyon tuta tuta* (Gmelin, 1788)**

1788 *Alcedo tuta* Gmelin, Syst. Nat., 1:423 (Tahiti)

1906 *Todirhamphus wigglesworthi* Sharpe, Hist. Coll. Brit. Mus., Bds., p. 182 (Society Islands)

Description: Male—crown green followed by a black band on hind neck; forehead, eyebrow stripe, and collar white; rest of upperparts dark blue-green; ear-coverts blue-green; underparts pure white. Female—similar to male but blue-green areas paler.

Soft Parts: Bill, upper mandible black, lower mandible black with a white base; iris brown; feet black.

Measurements: Wing ♂ 102, ♀ 104; tail 79; bill 39; tarsus 16.

Range: Society Islands (Bora-Bora, Huahine, Raiatea, Tahiti)

***Halcyon tuta ruficollaris* Holyoak, 1974**

1974 *Halcyon ruficollaris* Holyoak, Bull. Brit. Orn. Cl., 94:147 (Mangaia, Cook Islands)

Description: Differs from *H. t. tuta* by having the forehead, stripe over eye, nape, and upper breast orange-buff.

Range: Cook Islands (Mangaia)

***Halcyon tuta atiu* Holyoak, 1974**

1974 *Halcyon tuta atiu* Holyoak, Bull. Brit. Orn. Cl., 94:148 (Atiu, Cook Islands)

Description: Differs from *H. t. tuta* by having the white on the crown much more extensive—only a small blue-green remains in the center of the crown.

Range: Cook Islands (Atiu)

***Halcyon tuta mauke* Holyoak, 1974**

1974 *Halcyon tuta mauke* Holyoak, Bull. Brit. Orn. Cl., 94:148 (Mauke, Cook Islands)

Description: Differs from *H. t. atiu* by having the white of the crown reduced much like *H. t. tuta*; the feathers of the forehead, face, breast, and belly with a light buffy wash. This race is very weak, almost intermediate between *H. t. ruficollaris* and *H. t. atiu* but much closer to *H. t. atiu*.

Range: Cook Islands (Mauke)

Remarks: A bird of the stream beds in the original forest, it is often seen sitting on palm fronds and dead stubs.

TUAMOTU KINGFISHER

PLATE 21

Halcyon gertrudae (Murphy, 1924)

1924 *Todirhamphus gertrudae* Murphy, Am. Mus. Novit., 149:1 (Niau, Tuamotu Archipelago)

Description: Crown, ear-coverts, collar on hind neck, back, wings, and tail blue-green; scapulars and rump brighter; forehead, lores, stripe over eye, and collar buffy white; underparts white, some individuals having a trace of a buffy breast band.

Soft Parts: Bill, upper mandible black, lower mandible black with a whitish base; iris brown; feet black.

Measurements: Wing ♂ 89, ♀ 93; tail 67; bill 37; tarsus 16.

Range: Tuamotu Archipelago (Niau)*

Remarks: Although usually found sitting in coconut trees, this bird may also be found in local towns.

MARQUESAS KINGFISHER

PLATE 21

Halcyon godeffroyi Finsch, 1877

1877 *Halcyon godeffroyi* Finsch, Proc. Zool. Soc. London, p. 408 (Marquesas Islands)

Description: Forehead, crown, mantle, and center of upper back white; lower back, rump, tail, and wings blue-green; lores, ear-coverts, and collar on hind neck black washed with green; underparts pure white. Immature has green crown.

Soft Parts: Bill, upper mandible black, lower mandible black with a white base; iris brown; feet black.

Measurements: Wing ♂ 97, ♀ 98; tail 75; bill 43; tarsus 14.

Range: Marquesas Islands (Hiva Oa, Tahuata)

Remarks: This kingfisher is a forest bird, usually found along streams in original forest. Its loud call can be heard for some distance.

*1895 *Halcyon gambieri* Oustalet, Nouv. Arch. Mus. Hist. Nat. Paris, 7:182 (Mangareva, Tuamotu Archipelago). This doubtful species has been found only once, and the Mangareva type locality is questionable. At this time it is speculated that the specimen may have come from Micronesia.

HIRUNDINIDAE

SWALLOWS

PACIFIC SWALLOW

PLATE 22

Hirundo tahitica subfusca Gould, 1856

1856 *Hirundo subfusca* Gould, Proc. Zool. Soc. London, p. 24 (Moala, Fiji)

Description: Forehead dark chestnut; top of head, back, and rump glossy steel-blue; wings and tail dull brownish black; chin and throat chestnut; breast and belly dark gray-brown with a few glossy, blackish brown feathers in the center of the breast.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 112, ♀ 99; tail ♂ 52, ♀ 48; bill 10; tarsus 11.

Range: Fiji (Komo, Lakemba, Mango, Matathawa Levu, Moala, Mothe, Naitaumba, Naviti, Nayau, Nggamea, Onega Levu, Taveuni, Thithia, Totoya, Viti Levu, Vomo)
Tonga (Kelelesia, Nomuka)

Hirundo tahitica tahitica Gmelin, 1789

1789 *Hirundo tahitica* Gmelin, Syst. Nat., 1:1016 (Tahiti)

Description: Differs from *H. t. subfusca* by having the dark chestnut forehead reduced and much darker and the chin and throat paler chestnut; rest of underparts brownish black.

Range: Society Islands (Moorea, Tahiti)

Remarks: This swallow is found throughout the islands.

CAMPEPHAGIDAE

CUCKOO-SHRIKES

POLYNESIAN TRILLER

PLATE 22

Lalage maculosa maculosa (Peale, 1848)

1848 *Colluricincla maculosa* Peale, U. S. Expl. Expd., 8:81 (Upolu Island, Samoa)

Description: Male—upperparts glossy black; rump gray barred with black; wings black with white wing-coverts; tail black, rectrices tipped with white; lores and superciliary stripe white, a black stripe through the

eye; underparts white. Female—similar to male but upperparts tend to be more blackish brown. Immature—blackish brown above, the crown with paler streaks; underparts with narrow black bars.

Soft Parts: Bill black; iris dark brown; feet dark blue-gray.

Measurements: Wing ♂ 96, ♀ 95; tail ♂ 67, ♀ 66; bill 16; tarsus 25.

Range: Western Samoa (Savaii, Upolu)

***Lalage maculosa whitmeei* Sharpe, 1878**

1878 *Lalage whitmeei* Sharpe, Mitt. Zool. Mus. Dresden, 1:371 (Savage Island)

Description: Differs from *L. m. maculosa* by having the rump darker, feathers tipped with black not gray-white, and superciliary stripe broader.

Range: Niue

***Lalage maculosa futunae* Mayr and Ripley, 1941**

1941 *Lalage maculosa futunae* Mayr and Ripley, Am. Mus. Novit., 1116:6 (Futuna Island)

Description: Differs from *L. m. maculosa* by having the rump darker, the white on the wing-coverts more extensive, and a slightly shorter wing (♂ 92.5).

Range: Horne Islands (Futuna)

***Lalage maculosa keppeli* Mayr and Ripley, 1941**

1941 *Lalage maculosa keppeli* Mayr and Ripley, Am. Mus. Novit., 1116:6 (Keppel I.)

Description: Differs from *L. m. maculosa* by having the feathers of the back and rump tipped with white, an indistinct white nuchal collar, the white tips on the rectrices more extensive, and the wing longer (♂ 99, ♀ 98). Tail ♂ 69, ♀ 68.

Range: Tonga (Niuatoputapu, Tafahi)

***Lalage maculosa vauana* Mayr and Ripley, 1941**

1941 *Lalage maculosa vauana* Mayr and Ripley, Am. Mus. Novit., 1116:7 (Vavau I., Tonga Is.)

Description: Differs from *L. m. maculosa* by having the rump paler gray, the gray extending up onto the lower back; the wing-coverts more extensively marked with white; and the outer margins of the secondaries white.

Range: Tonga (Euakafa, Kapa, Late, Ovaka, Vavau)

***Lalage maculosa tabuensis* Mayr and Ripley, 1941**

1941 *Lalage maculosa tabuensis* Mayr and Ripley, Am. Mus. Novit., 1116:7 (Tongatabu I., Tonga Is.)

Description: Differs from *L. m. vauana* by having the back feathers with white edges and a distinguishable nuchal collar.

Range: Tonga (Eua, Foa, Fotuhaa, Haafeva, Kao, Kelelesia, Lifuka, Mango, Nomuka, Oua, Telekitonga, Tofua, Tongatapu, Tonumea, Tungua, Uoleva, Uonuku Hahake)

***Lalage maculosa nesophila* Mayr and Ripley, 1941**

1941 *Lalage maculosa nesophila* Mayr and Ripley, Am. Mus. Novit., 1116:8 (Ongea Levu I., Fiji Is.)

Description: Differs from *L. m. keppeli* by having the back feathers with narrower white tips and a whiter rump.

Range: Fiji (Aiwa, Fulanga, Kambara, Lakemba, Marambo, Matuku, Mothe, Namuka -I-Lau, Olorua, Oneata, Ongea Levu, Ono-I-Lau, Tavunasithi, Vatoa, Vatuvara, Wanggava, Yangasalevu, Yathata)

***Lalage maculosa woodi* Wetmore, 1925**

1925 *Lalage woodi* Wetmore, Ibis, p. 845 (Taveuni, Fiji)

Description: Differs from *L. m. maculosa* by having the upperparts lightly washed with brown; white in wing-coverts reduced; sides of face, neck, and breast barred with brownish black; also, shorter wing (♂ 90, ♀ 88). Tail ♂ 61, ♀ 59.

Range: Fiji (Kio, Nggamea, Taveuni, Vanua Levu)

***Lalage maculosa rotumae* Neumann, 1927**

1927 *Lalage nigra rotumae* Neumann, Orn. Monatsb., 35:19 (Rotuma I.)

Description: Differs from *L. m. woodi* by having the white tips of the feathers of the back, rump, and wing-coverts washed with buff and the underparts, especially the breast, lightly washed with bright tawny; also, longer wing (♂ 94, ♀ 94). Tail ♂ 68, ♀ 65.

Range: Rotuma

***Lalage maculosa mixta* Mayr and Ripley, 1941**

1941 *Lalage maculosa mixta* Mayr and Ripley, Am. Mus. Novit., 1116:9 (Ovalau I.)

Description: Differs from *L. m. woodi* by having the rusty brownish black upperparts washed with buff; gray rump washed with a reddish buff; underparts washed with buff; also, shorter wing (♂ 86, ♀ 85). Tail ♂ 61, ♀ 60.

Range: Fiji (Matathawa Levu, Mathuata, Naviti, Ovalau, Yandua, Yasawa)

PLATE 21

- A FLAT-BILLED KINGFISHER
(*Halcyon recurvirostris*), male—page 107
- B WHITE-COLLARED KINGFISHER
(*Halcyon chloris vitiensis*), male—page 108
- C WHITE-COLLARED KINGFISHER
(*Halcyon chloris pealei*), male—page 110
- D WHITE-COLLARED KINGFISHER
(*Halcyon chloris regina*), male—page 109
- E SOCIETY ISLANDS KINGFISHER
(*Halcyon venerata venerata*), male—page 110
- F SOUTH PACIFIC KINGFISHER
(*Halcyon tuta tuta*), male—page 111
- G TUAMOTU KINGFISHER
(*Halcyon gertrudae*), male—page 112
- H MARQUESAS KINGFISHER
(*Halcyon godeffroyi*), male—page 112
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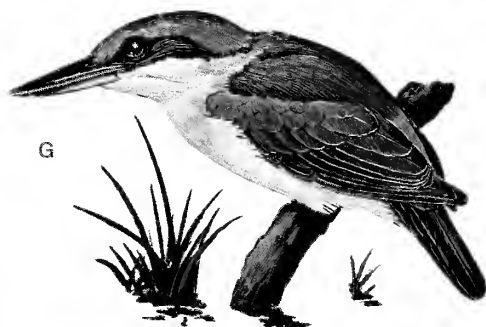
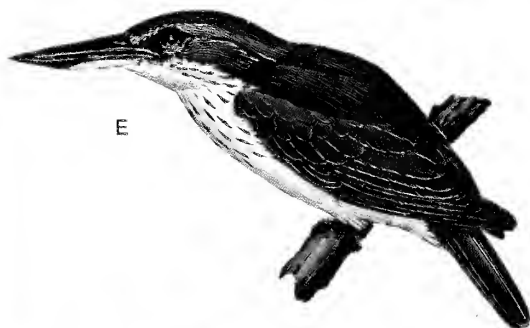
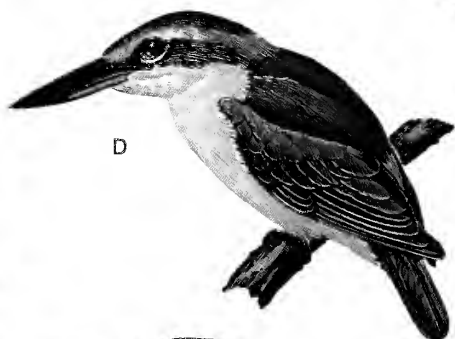
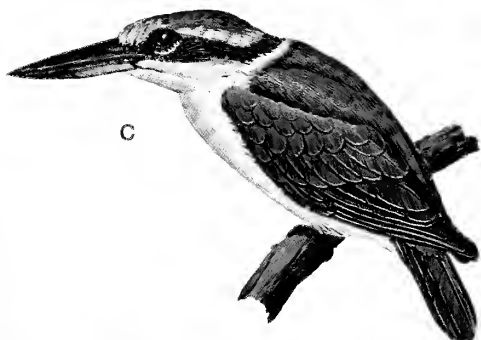
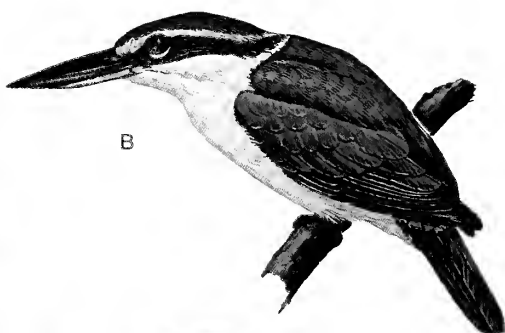
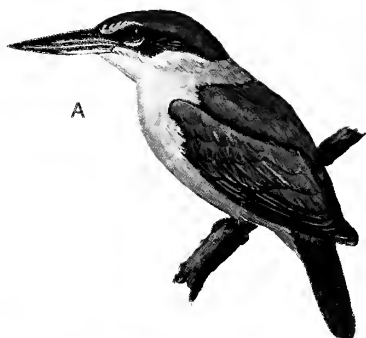
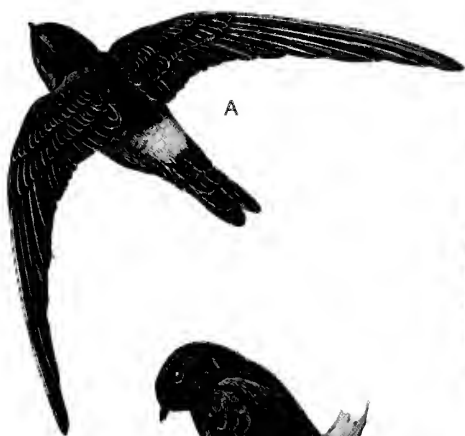


PLATE 21

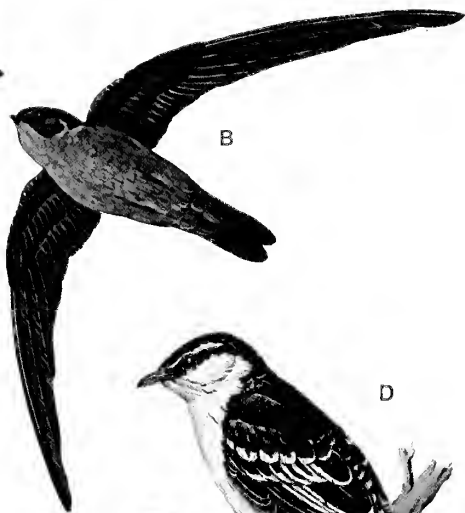
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PLATE 22

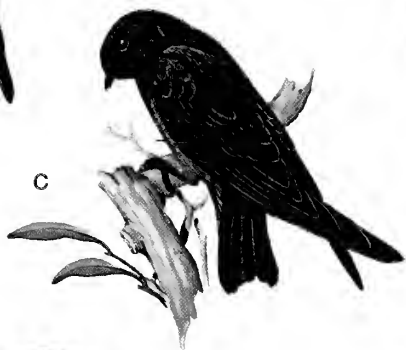
- A WHITE-RUMPED SWIFTLET
(*Collocalia spodiopygia spodiopygia*), male—page 101
 - B TAHITI SWIFTLET
(*Collocalia leucophaea leucophaea*), male—page 106
 - C PACIFIC SWALLOW
(*Hirundo tahitica subfusca*), male—page 113
 - D POLYNESIAN TRILLER
(*Lalage maculosa maculosa*), male—page 113
 - E POLYNESIAN TRILLER
(*Lalage maculosa rotumae*), male—page 115
 - F POLYNESIAN TRILLER
(*Lalage maculosa pumila*), male—page 120
 - G SAMOAN TRILLER
(*Lalage sharpei sharpei*), male—page 120
 - H RED-VENTED BULBUL
(*Pycnonotus cafer bengalensis*), male—page 121
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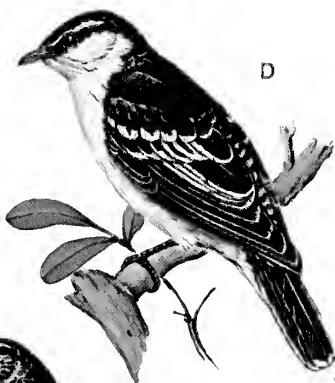
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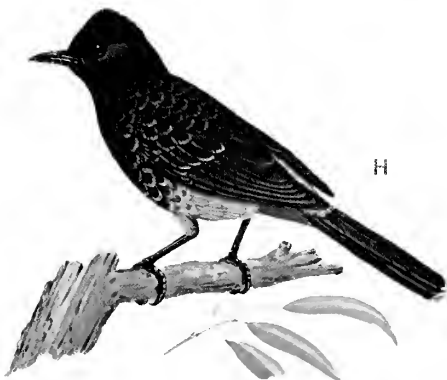
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F



G



H

***Lalage maculosa pumila* Neumann, 1927**

1927 *Lalage nigra pumila* Neumann, Orn. Monatsb., **35**:19 (Viti Levu, Fiji Is.)

Description: Differs from *L. m. woodi* by having the upperparts brownish black; underparts more heavily washed with buff; and the barring of the sides of face, throat, and breast heavier and more extensive.

Range: Fiji (Viti Levu)

***Lalage maculosa soror* Mayr and Ripley, 1941**

1941 *Lalage maculosa soror* Mayr and Ripley, Am. Mus. Novit., 1116:10 (Kandavu I.)

Description: Differs from *L. m. pumila* by having the top of the head black, contrasting with the blackish brown back; rump more clearly gray; underparts with less buffy wash and reduced barring.

Range: Fiji (Kandavu)

Remarks: A common bird, it may be found from sea level to the mountain tops.

SAMOAN TRILLER**PLATE 22*****Lalage sharpei sharpei* Rothschild, 1900**

1900 *Lalage sharpei* Rothschild, Bull. Brit. Orn. Cl., **10**:40 (Upolu I., Samoa)

Description: Upperparts pale brown; underparts white with the chest and flanks lightly barred with brown.

Soft Parts: Bill yellow; iris white; feet brown.

Measurements: Wing ♂ 82, ♀ 81; tail ♂ 56, ♀ 55; bill 16; tarsus 23.

Range: Western Samoa (Upolu)

***Lalage sharpei tenebrosa* Mayr and Ripley, 1941**

1941 *Lalage sharpei tenebrosa* Mayr and Ripley, Am. Mus. Novit., 1116:12 (Savaii I., Samoa)

Description: Differs from *L. s. sharpei* by having the upperparts darker and more olive-brown and the barring of the underparts darker and heavier.

Range: Western Samoa (Savaii)

Remarks: Usually found above 2000 feet in dense forest, this bird likes to sit on the dead limbs of large trees about 50 feet off the ground. It is very shy.

PYCNONOTIDAE

BULBULS

RED-VENTED BULBUL

PLATE 22

***Pycnonotus cafer bengalensis* Blyth, 1845**

1845 *Pycnonotus bengalensis* Blyth, Journ. As. Soc. Bengal, 14:566 (Bengal)

Description: Top of head black; back and wings dark brown; rump white; tail dark brown and rectrices tipped with white; ear-coverts brown; chin, throat, and upper breast blackish brown; belly gray-brown; vent and under tail-coverts bright red.

Soft Parts: Bill black; iris dark brown; feet black.

Measurements: Wing ♂ 108, ♀ 106; tail ♂ 101, ♀ 100; bill 18; tarsus 23.

Range: Introduced from India to American Samoa (Tutuila), Fiji (Leleuvia, Nukulau, Viti Levu), and Western Samoa (Savaii, Upolu).

Remarks: This bird is common in lowlands and up to 3000 feet in the mountains.

MUSCICAPIDAE

THRUSHES
OLD WORLD WARBLERS
OLD WORLD FLYCATCHERS

ISLAND THRUSH

PLATE 23

Turdus poliocephalus*

This thrush is widespread on islands in the Pacific, with six of a total of 50 subspecies being found in the South Pacific. These shy birds are usually found above 1500 feet in dense mountain forests, where they dart through the thick cover near the forest floor. All six races are quite distinct.

**Turdus ulietensis* Gmelin, 1789, Syst. Nat., 1:815 (Ulieta = Raiatea, Society Islands); *Turdus badius* Forster, 1844, Descr. Anim., p. 239 (Oriadea insula = Raiatea, Society Islands). This rufous-brown thrush-sized bird is known only from drawings; specimens collected during the eighteenth century have been lost and this species is presumed extinct. There is no assurance that it was really a *Turdus* or even a true thrush.

***Turdus poliocephalus samoensis* Tristram, 1879**

1879 *Turdus samoensis* Tristram, Ibis, p. 188 (Samoa Islands)

Description: Entire bird dull black except for head and throat, which are very dark black-brown. Immature—underparts slightly spotted.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 100, ♀ 97; tail ♂ 77, ♀ 76; bill 22; tarsus 30.

Range: Western Samoa (Savaii, Upolu)

***Turdus poliocephalus ruficeps* (Ramsay, 1876)**

1876 *Merula ruficeps* Ramsay, (Feb.) Proc. Linn. Soc. New South Wales, 1:43 (Fiji Islands = Kandavu)

1876 *Merula bicolor* Layard, (April) Ibis, p. 153 (Fiji)

Description: Head, hind neck, chin, and throat golden buff; rest of bird black. Immature—similar to adults but underparts rufous with black spots.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 106, ♀ 105; tail ♂ 71, ♀ 69; bill 24; tarsus 33.

Range: Fiji (Kandavu)

***Turdus poliocephalus layardi* (Seeböhm, 1890)**

1890 *Merula layardi* Seeböhm, Proc. Zool. Soc. London, p. 667 (Viti Levu)

Description: Upperparts olive-gray; chin and throat gray-brown; breast and flanks chestnut; center of belly whitish. Immature—underparts paler and spotted.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 108, ♀ 107; tail ♂ 78, ♀ 78; bill 24; tarsus 34.

Range: Fiji (Koro, Ovalau, Viti Levu, Yasawa)

***Turdus poliocephalus vitiensis* Layard, 1876**

1876 *Turdus vitiensis* Layard, Ann. Mag. Nat. Hist., Ser. 4, No. 17, p. 305 (Bua, Vanua Levu, Fiji)

1890 *Merula vanuensis* Seeböhm, Proc. Zool. Soc. London, p. 666 (*nom. nov.* for *Merula vitiensis* Layard, 1876)

Description: Male—upperparts blackish gray; underparts gray. Female—similar to male but breast and belly washed with chestnut. Immature—underparts paler and spotted.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 111, ♀ 106; tail ♂ 77, ♀ 75; bill 24; tarsus 33.

Range: Fiji (Vanua Levu)

***Turdus poliocephalus tempesti* Layard, 1876**

1876 *Turdus tempesti* Layard, Proc. Zool. Soc. London, p. 420 (south end of Taveuni, at Selia Levu, Vuna Point)

Description: Male—head, hind neck, chin, and throat gray; rest of bird black. Female—differs from male by having gray areas dark brown. Immature—underparts paler and spotted.

Soft Parts: Bill yellow; iris yellow; feet yellow.

Measurements: Wing ♂ 109, ♀ 105; tail ♂ 78, ♀ 71; bill 25; tarsus 33.

Range: Fiji (Taveuni)

***Turdus poliocephalus hades* Mayr, 1941**

1941 *Turdus poliocephalus hades* Mayr, Am. Mus. Novit., 1152:4 (Ngau Island, Fiji)

Description: Entire male black, the darkest of all the South Pacific races. Female undescribed. Immature male with reddish brown edgings on underparts.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 110; tail ♂ 75; bill ♂ 24; tarsus ♂ 33.

Range: Fiji (Ngau)

LONG-BILLED WARBLER

PLATE 24

***Conopoderas caffa caffa* (Sparrman, 1786)**

1786 *Sitta caffa* Sparrman, Mus. Carls., fasc. I, pl. 4 (no locality = Tahiti)

1842 *Tatare fuscus* Lesson, Rev. Zool., 5:210 (Tahiti)

Description: Upperparts olive-brown mottled with yellow; superciliary stripe and underparts white washed with yellow. Immature—darker brown.

Soft Parts: Bill, upper mandible black, lower mandible flesh color; iris brown; feet grayish.

Measurements: Wing ♂ 97, ♀ 93; tail ♂ 78, ♀ 74; bill 26; tarsus 30.

Range: Society Islands (Tahiti)

***Conopoderas caffa longirostris* (Gmelin, 1789)**

1789 *Turdus longirostris* Gmelin, Syst. Nat., 1:823 (Eimeo = Moorea, Society Islands)

Description: Differs from *C. c. caffa* by being larger (wing ♂ 105, ♀ 103; tail ♂ 89, ♀ 85; bill 29).

Range: Society Islands (Moorea)

***Conopoderas caffa percernis* Wetmore, 1919**

1919 *Conopoderas percernis* Wetmore, Bull. Mus. Comp. Zool., 63:213 (Nukuhiva, Marquesas)

Description: Differs from *C. c. caffra* by having the yellows richer, longer wing (♂ 100, ♀ 98), longer tail (♂ 85, ♀ 82), and shorter bill (23).

Range: Marquesas Islands (Nuku Hiva)

Conopoderas caffra mendanae (Tristram, 1883)

1883 *Acrocephalus mendanae* Tristram, Ibis, p. 43 (Marquesas Islands = Hivaoa, or Tahuata, Islands, Marquesas; restricted to Hivaoa by Murphy and Mathews)

Description: Differs from *C. c. percernis* by being paler, the yellows not as rich. Wing ♂ 99, ♀ 97; tail ♂ 82, ♀ 79; bill 24.

Range: Marquesas Islands (Hiva Oa, Tahuata)

Conopoderas caffra consobrina Murphy and Mathews, 1928

1928 *Conopoderas caffra consobrina* Murphy and Mathews, Am. Mus. Novit., 337:13 Motane Island, Marquesas)

Description: Differs from *C. c. mendanae* by having wider yellowish margins to the feathers of the upperparts; underparts with a heavier yellowish wash; also smaller (wing ♂ 96, ♀ 95; tail ♂ 80, ♀ 80; bill 21).

Range: Marquesas Islands (Motane)

Conopoderas caffra fatuhivae Murphy and Mathews, 1928

1928 *Conopoderas caffra fatuhivae* Murphy and Mathews, Am. Mus. Novit., 337:14 (Fatuhiva Island, Marquesas)

Description: Differs from *C. c. percernis* by having the rump brighter yellow, a longer bill (25), and a longer tarsus (33).

Range: Marquesas Islands (Fatu Hiva)

Conopoderas caffra idae Murphy and Mathews, 1928

1928 *Conopoderas caffra idae* Murphy and Mathews, Am. Mus. Novit., 337:15 (Huahuna Island, Marquesas)

Description: Differs from *C. c. percernis* by being smaller (wing ♂ 89, ♀ 88; tail ♂ 77, ♀ 75; bill 19; tarsus 30).

Range: Marquesas Islands (Ua Huna)

Conopoderas caffra dido Murphy and Mathews, 1928

1928 *Conopoderas caffra dido* Murphy and Mathews, Am. Mus. Novit., 337:16 (Huapu Island, Marquesas)

Description: Differs from *C. c. percernis* by having the underparts a brighter yellow; this is the brightest race of *C. caffra*. Also smaller (wing ♂ 93, ♀ 91; tail ♂ 79, ♀ 76; bill 21).

Range: Marquesas Islands (Ua Pu)

Conopoderas caffra aquilonis Murphy and Mathews, 1928

1928 *Conopoderas caffra aquilonis* Murphy and Mathews, Am. Mus. Novit., 337:17 (Eiao Island, Marquesas)

Description: Differs from *C. c. dido* by having the underparts slightly paler yellow and a smaller bill (19).

Range: Marquesas Islands (Eiao)

Conopoderas caffra postrema Murphy and Mathews, 1928

1928 *Conopoderas caffra postrema* Murphy and Mathews, Am. Mus. Novit., 337:17 (Hatutu Island, Marquesas)

Description: Differs from *C. c. aquilonis* by having the upperparts more olivaceous.

Range: Marquesas Islands (Hatutu)

Remarks: A bird of thick bush in mountain ravines, it is usually very shy but quite vocal. Its camouflaged color makes it very difficult to find. One specimen collected on Huahine in 1877 has been lost and its subspecific identity is unknown.

TUAMOTU WARBLER

PLATE 24

Conopoderas atypha atypha Wetmore, 1919

1919 *Conopoderas atypha* Wetmore, Bull. Mus. Comp. Zool., 63:206 (Fakarava, Tuamotu Group)

1919 *Conopoderas atypha crypta* Wetmore, Bull. Mus. Comp. Zool., 63:209 (Makemo, Tuamotu Group)

1919 *Conopoderas atypha agassizi* Wetmore, Bull. Mus. Comp. Zool., 63:210 (Apataki, Tuamotu Group)

1919 *Conopoderas atypha nesiarcha* Wetmore, Bull. Mus. Comp. Zool., 63:210 (Rangiroa, Tuamotu Group)

Description: Upperparts generally gray-brown, feathers often with fine, dirty white margins; wings and tail slightly darker gray-brown but tipped with white; superciliary stripe and underparts whitish. A highly variable species, tending toward grayish and brownish color phases.

Soft Parts: Bill, upper mandible black, lower mandible flesh color; iris brown; feet gray.

Measurements: Wing ♂ 88, ♀ 84; tail ♂ 74, ♀ 71; bill 21; tarsus 30.

Range: Tuamotu Archipelago (Ahe, Apataki, Aratika, Arutua, Faaite, Fakahina, Fakarava, Hiti, Katiu, Kauehi, Kaukura, Makemo, Manihi, Matahiva, Nihiru, Rangiroa, Raraka, Taenga, Tahanea, Taiaro, Takapoto, Takaroa, Takume, Tepoto, Tikehau, Tikei, Toau, Tuanake)

Conopoderas atypha palmarum Murphy and Mathews, 1929

1929 *Conopoderas atypha palmarum* Murphy and Mathews, Am. Mus. Novit., 350:12 (Anaa Island, Tuamotus)

Description: Differs from *C. a. atypha* by being smaller (wing ♂ 86, ♀ 80; tail ♂ 71, ♀ 63; bill 18).

Range: Tuamotu Archipelago (Anaa)

Conopoderas atypha niauensis Murphy and Mathews, 1929

1929 *Conopoderas atypha niauensis* Murphy and Mathews, Am. Mus. Novit., 350:13 (Niau Island, Tuamotus)

Description: Differs from *C. a. atypha* by almost lacking the superciliary stripe and the white feather margins of the back and by being smaller (wing ♂ 85, ♀ 79; tail ♂ 71, ♀ 65; bill 18).

Range: Tuamotu Archipelago (Niau)

Conopoderas atypha rava Wetmore, 1919

1919 *Conopoderas atypha rava* Wetmore, Bull. Mus. Comp. Zool., 63:208 (Pinaki or Whitsunday Island, Tuamotus)

Description: Differs from *C. a. atypha* by having the underparts washed with yellow.

Range: Tuamotu Archipelago (Akiaki, Fagataufa, Hao, Paraoa, Pinaki, Tureia, Vanavana)

Conopoderas atypha erema Wetmore, 1919

1919 *Conopoderas atypha erema* Wetmore, Bull. Mus. Comp. Zool., 63:211 (Makatea, Tuamotus)

Description: Differs from *C. a. atypha* by being entirely washed with cinnamon; also larger (wing ♂ 92, ♀ 89; tail ♂ 80, ♀ 76; bill 24 and markedly decurved).

Range: Tuamotu Archipelago (Makatea)

Conopoderas atypha flavida Murphy and Mathews, 1929

1929 *Conopoderas atypha flavida* Murphy and Mathews, Am. Mus. Novit., 350:16 (Napuka Island, Tuamotus)

Description: Differs from *C. a. atypha* by having the upperparts slightly and the underparts strongly washed with yellow; also larger (wing ♂ 93, tail ♂ 75, bill ♂ 24, tarsus ♂ 31; female unknown).

Range: Tuamotu Archipelago (Napuka)

Remarks: A bird of open, brushy country and woodland, it is often seen sitting on high branches of trees giving its very loud and variable call.

PITCAIRN ISLAND REED-WARBLER

PLATE 24

***Conopoderas vauhani vauhani* (Sharpe, 1900)**

1900 *Tatare vauhani* Sharpe, Bull. Brit. Orn. Cl., 11:2 (Pitcairn Island)

Description: Upperparts olive, margins of feathers buffy; wing dark olive-brown with some albinistic feathers; tail olive-brown, rectrices tipped with white, some albinistic feathers; underparts yellowish with a buffy wash on flanks. Immature—differs by being browner above and seems to lack albinistic feathers.

Soft Parts: Bill, upper mandible blackish brown, lower mandible flesh color; iris brown; feet grayish.

Measurements: Wing ♂ 82, ♀ 75; tail ♂ 70, ♀ 65; bill 17; tarsus 29.

Range: Pitcairn Island

***Conopoderas vauhani rimitarae* Murphy and Mathews, 1929**

1929 *Conopoderas vauhani rimitarae* Murphy and Mathews, Am. Mus. Novit., 350:20 (Rimitara Island, Austral Group)

Description: Differs from *C. v. vauhani* by having the upperparts darker olive; also larger (wing ♂ 84, ♀ 82; tail ♂ 71, ♀ 71). Albinism more noticeable.

Range: Austral Islands (Rimatarā)

***Conopoderas vauhani taiti* (Ogilvie-Grant, 1913)**

1913 *Acrocephalus taiti* Ogilvie-Grant, Bull. Brit. Orn. Cl., 31:59 (Henderson Island)

Description: Differs from *C. v. vauhani* by lacking olive and yellow tints, being basically brown above and white below. Albinistic feathers found throughout the body and to a greater extent than in *C. v. rimitarae*.

Range: Henderson Island

Conopoderas vauhani kerearako (Holyoak, 1974)

1974 *Acrocephalus vauhani kerearako* Holyoak, Bull. Brit. Orn. Cl., **94**:149 (Mangaia, Cook Islands)

Description: Differs from *C. v. rimitarae* by having the upperparts more olive and the underparts yellower.

Range: Cook Islands (Mangaia)

Conopoderas vauhani kaoko (Holyoak, 1974)

1974 *Acrocephalus vauhani kaoko* Holyoak, Bull. Brit. Orn. Cl., **94**:150 (Mitiaro, Cook Islands)

Description: Differs from *C. v. kerearako* by having the upperparts duller olive-brown; underparts paler yellow and slightly streaked with gray on the throat and breast; thighs light brown.

Range: Cook Islands (Mitiaro)

Remarks: The habits of this bird are unknown.

LONG-LEGGED WARBLER**PLATE 24****Trichocichla rufa** Reichenow, 1890

1890 *Trichocichla rufa* Reichenow, Journ. f. Orn., **38**:489 (Viti Levu, Fiji)

Description: Upperparts rufous, the crown somewhat darker and the lower back and rump brighter; lores and stripe behind eye white becoming washed with rufous toward nape; chin and throat white; center of breast and belly whitish; rest of underparts rufous.

Soft Parts: Bill in dried specimen dark brown above, horn colored below; iris brown; feet pinkish.

Measurements: One specimen—wing ♂ 78, tail ♂ 81, bill ♂ 20, tarsus ♂ 29.

Range: Fiji (Viti Levu)

Remarks: Known from only a few specimens and records during the last century, this bird has recently been rediscovered on Vanua Levu by Kinsky from the National Museum of New Zealand (1975, Bull. Brit. Orn. Cl., **95**:98-101). It lives in dense rain forest.

FIJI WARBLER

PLATE 24

***Vitia ruficapilla ruficapilla* Ramsay, 1876**

1876 *Vitia ruficapilla* Ramsay, Proc. Linn. Soc. New South Wales, 1:41 (Kandavu, Fiji)

Description: Top of head and cheeks bright rufous, rest of upperparts grayish olive-brown; chin, throat, breast, and belly grayish white; flanks brownish. Immature—underparts browner.

Soft Parts: Bill, upper mandible brown, lower mandible horn; iris brown; feet flesh color.

Measurements: Wing ♂ 59, ♀ 53; tail ♂ 58, ♀ 46; bill 15; tarsus 24.

Range: Fiji (Kandavu)

***Vitia ruficapilla badiceps* (Finsch, 1876)**

1876 *Drymochaera badiceps* Finsch, Proc. Zool. Soc. London, p. 20 (Viti Levu, Fiji)

Description: Differs from *V. r. ruficapilla* by having the bright rufous on the head reduced to the crown; cheeks gray; a dark line through the eye; also, shorter wing (♂ 54, ♀ 52).

Range: Fiji (Viti Levu)

***Vitia ruficapilla castaneoptera* Mayr, 1935**

1935 *Vitia ruficapilla castaneoptera* Mayr, Am. Mus. Novit., 820:5 (Vanua Levu, Fiji)

Description: Differs from *V. r. badiceps* by having the wings and tail browner; size as in *V. r. ruficapilla* (wing ♂ 59).

Range: Fiji (Vanua Levu)

***Vitia ruficapilla funebris* Mayr, 1935**

1935 *Vitia ruficapilla funebris* Mayr, Am. Mus. Novit., 820:5 (Taviuni, Fiji)

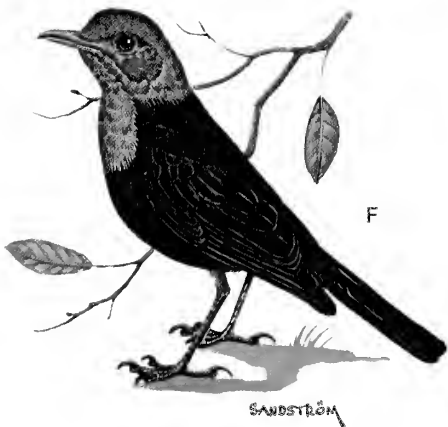
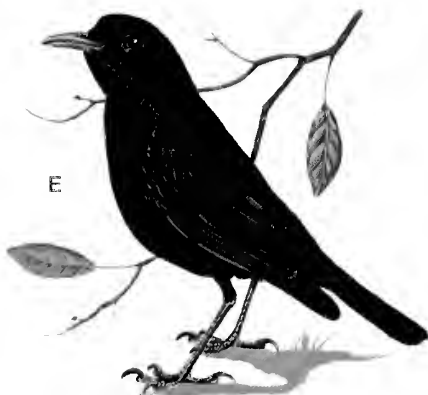
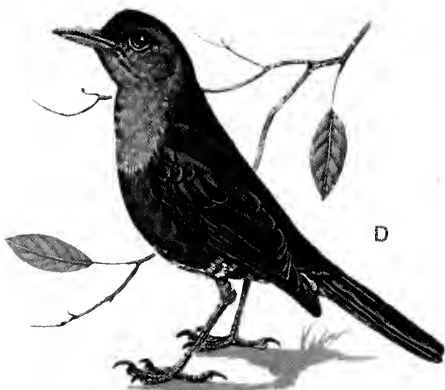
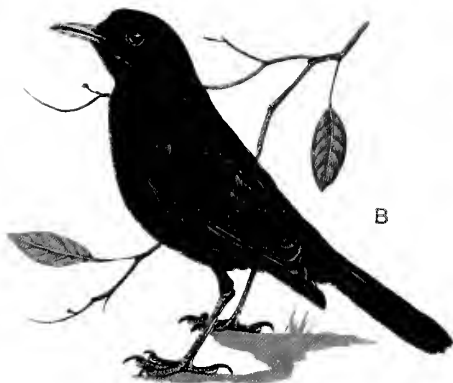
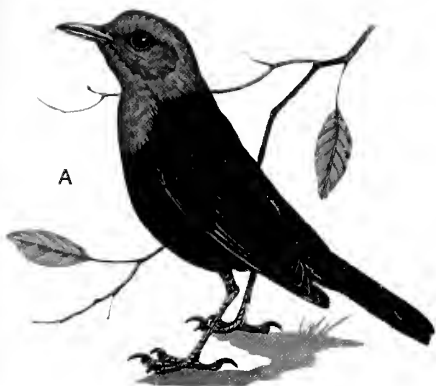
Description: Differs from *V. r. badiceps* by being darker, having chestnut cheeks, and being larger (wing ♂ 62).

Range: Fiji (Taveuni)

Remarks: This warbler is a bird of low bushes in the upland forest; its seclusiveness makes it difficult to find.

PLATE 23

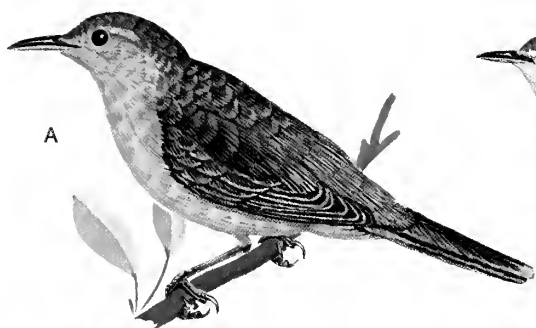
- A ISLAND THRUSH
(*Turdus poliocephalus ruficeps*), male—page 122
- B ISLAND THRUSH
(*Turdus poliocephalus samoensis*), male—page 122
- C ISLAND THRUSH
(*Turdus poliocephalus vitiensis*), male—page 122
- D ISLAND THRUSH
(*Turdus poliocephalus layardi*), male—page 122
- E ISLAND THRUSH
(*Turdus poliocephalus hades*), male—page 123
- F ISLAND THRUSH
(*Turdus poliocephalus tempesti*), male—page 122
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SANDSTRÖM

PLATE 24

- A LONG-BILLED WARBLER
(*Conopoderas caffra caffra*), male—page 123
- B TUAMOTU WARBLER
(*Conopoderas atypha atypha*), male—page 125
- C PITCAIRN ISLAND REED-WARBLER
(*Conopoderas vaughani vaughani*), male—page 127
- D LONG-LEGGED WARBLER
(*Trichocichla rufa*), male—page 128
- E FIJI WARBLER
(*Vitia ruficapilla ruficapilla*), male—page 129
- F SILKTAIL
(*Lamprolia victoriae victoriae*), male—page 134
- G SCARLET ROBIN
(*Petroica multicolor pusilla*), male—page 134
- H SCARLET ROBIN
(*Petroica multicolor pusilla*), female—page 134
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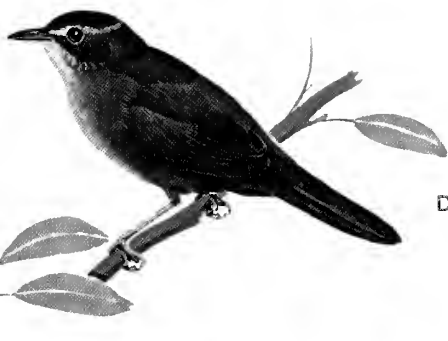
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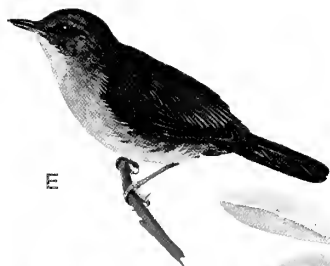
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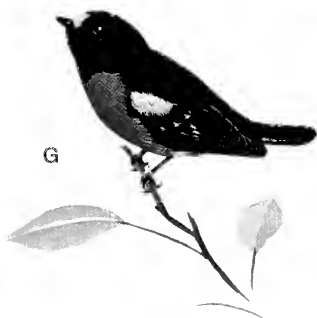
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SANDSTRÖM

SILKTAIL

PLATE 24

Lamprolia victoriae victoriae Finsch, 1873

1873 *Lamprolia victoriae* Finsch, Proc. Zool. Soc. London, p. 735 (Taviuni, Fiji)

Description: Entire bird velvet-black except for feathers on top of head, chin, and throat, which have metallic blue spangles; rump white; central rectrices white with black tips glossed with metallic blue-black.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 84, ♀ 82; tail ♂ 53, ♀ 50; bill 13; tarsus 23.

Range: Fiji (Taveuni)

Lamprolia victoriae kleinschmidti Ramsay, 1876

1876 *Lamprolia kleinschmidti* Ramsay, Proc. Linn. Soc. New South Wales, 1:68 (Vanua Levu)

1876 *Lamprolia minor* Layard, Ibis, p. 155 (Vanua Levu)

Description: Differs from *L. v. victoriae* by having the spangles on the head bluer. Also smaller (wing ♂ 76, ♀ 74; tail ♂ 49, ♀ 48).

Range: Fiji (Vanua Levu)

Remarks: A bird of the forest, it is found above 1500 feet, usually within 20 feet of the ground. This beautiful little bird is one of the most spectacular birds of the South Pacific.

SCARLET ROBIN

PLATE 24

Petroica multicolor pusilla Peale, 1848

1848 *Petroica pusilla* Peale, U. S. Expl. Expd., 8:93 (Upolu, Samoa)

Description: Male—forehead white, rest of upperparts black; primaries and rectrices brownish black, outer rectrices tipped with white; white patch in secondaries; wing bar white; chin and upper throat black; lower throat, breast, and belly pale vermillion; under tail-coverts white; thighs black. Female—similar to male; reduced white on forehead; chin and upper throat gray-black; vermillion of underparts paler and with a whitish patch in the center of the belly. Immature—similar to female but duller.

Soft Parts: Bill black; iris brown; feet brownish.

Measurements: Wing ♂ 61, ♀ 59; tail ♂ 38, ♀ 37; bill 11; tarsus 17.

Range: Western Samoa (Savaii, Upolu)

***Petroica multicolor kleinschmidti* Finsch, 1875**

1875 *Petroica kleinschmidti* Finsch, Proc. Zool. Soc. London, p. 643 (Viti Levu, Fiji)

Description: Differs from *P. m. pusilla* by the male having the white patch on forehead larger, the back richer black, and the white wing bar more extensive. The female has blackish brown upperparts and the vermilion of the underparts is duller and less extensive, especially the belly, which is almost all whitish.

Range: Fiji (Taveuni, Vanua Levu, Viti Levu)

***Petroica multicolor becki* Mayr, 1934**

1934 *Petroica multicolor becki* Mayr, Am. Mus. Novit., 714:5 (Kandavu, Fiji)

Description: Males differ from *P. m. kleinschmidti* by having the throat redder and the vermilion on the flanks more extensive. Females have browner upperparts.

Range: Fiji (Kandavu)

Remarks: This is a common bird of clearings and the forest edge.

RAROTONGA FLYCATCHER**PLATE 25*****Pomarea dimidiata* (Hartlaub and Finsch, 1871)**

1871 *Monarches dimidiata* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 28 (Rarotonga, Cook Islands)

Description: Male—upperparts gray, rump and tail darker; underparts white except for under tail-covert feathers, which are blackish with white tips. Female—upperparts bright rufous except for wing primaries and the terminal quarter of the tail, which are blackish brown; underparts pale rufous, becoming paler in the center of the belly.

Soft Parts: Bill plumbeous-blue; iris dark brown; feet dark plumbeous.

Measurements: Wing ♂ 81, ♀ 76; tail ♂ 65, ♀ 61; bill 15; tarsus 21.

Range: Cook Islands (Rarotonga)

Remarks: The habits of this bird are unknown.

SOCIETY ISLANDS FLYCATCHER

PLATE 25

Pomarea nigra (Sparrman, 1786)

- 1786 *Muscicapa nigra* Sparrman, Mus. Carls., fasc. I, pl. 23 (Tahiti)
 1789 *Muscicapa lutea* Gmelin, Syst. Nat., 1:944 (Tahiti)
 1828 *Muscicapa pomarea* Lesson and Garnot, Voy. "Coquille," pl. 17 (Maupiti Island)
 1829 *Muscicapa maupitiensis* Lesson and Garnot, Voy. "Coquille," p. 592 (Maupiti Island)
 1844 *Muscicapa atra* Forster, Descr. Anim., ed. Licht., p. 170 (Tahiti)
 1929 *Pomarea nigra tabuensis* Mathews, Bull. Brit. Orn. Cl., 49:60 (new name for *Muscicapa atra* Forster, 1844, p. 171; not Forster 1844, p. 170)

Description: Adults entirely black. Immature—upperparts dark cinnamon except rump, which is black; underparts pale cinnamon, becoming almost white on the belly.

Soft Parts: Bill slaty blue; iris dark brown; feet slaty blue.

Measurements: Wing ♂ 89, ♀ 86; tail 74; bill 16; tarsus 27.

Range: Society Islands (Maupiti, Tahiti)

Remarks: This secretive bird lives in the fern-covered canyons of the mountain slopes.

MARQUESAS FLYCATCHER

PLATE 25

Pomarea mendozae mendozae (Hartlaub, 1854)

- 1854 *Monarcha Mendozae* Hartlaub, Journ. f. Orn., 2:170 (St. Christina = Tahuata Island, Marquesas)

Description: Male—entire bird glossy black. Female—head black; back and rump white; primaries black, secondaries black with white margins; tail white with brownish subterminal spots; breast and belly buffy white. Immature—brownish.

Soft Parts: Bill bluish; iris brown; legs bluish; feet black.

Measurements: Wing ♂ 92, ♀ 91; tail 78; bill 17; tarsus 28.

Range: Marquesas Islands (Hiva Oa, Tahuata)

Pomarea mendozae motanensis Murphy and Mathews, 1928

- 1928 *Pomarea mendozae motanensis* Murphy and Mathews, Am. Mus. Novit., 337:4 (Motane Island, Marquesas)

Description: Differs from *P. m. mendozae* by having the subterminal spots on the rectrices of females much reduced; also larger (wing ♂ 96, ♀ 95; bill 19). Immatures paler.

Range: Marquesas Islands (Motane)

***Pomarea mendozae mira* Murphy and Mathews, 1928**

1928 *Pomarea mendozae mira* Murphy and Mathews, Am. Mus. Novit., 337:4 (Huapu Island, Marquesas)

Description: Females differ from *P. m. motanensis* by having entire body black; tail white; wings white with terminal third of primaries and secondaries brownish black; also larger (wing ♂ 108, ♀ 103).

Range: Marquesas Islands (Ua Pu)

***Pomarea mendozae nukuhivae* Murphy and Mathews, 1928**

1928 *Pomarea mendozae nukuhivae* Murphy and Mathews, Am. Mus. Novit., 337:5 (Nukuhiva Island, Marquesas)

Description: Female differs from *P. m. mira* by having mantle and belly white.

Range: Marquesas Islands (Nuku Hiva)

Remarks: This bird of the low forest needs study because little is known of its habits.

ALLIED FLYCATCHER

PLATE 25

***Pomarea iphis iphis* Murphy and Mathews, 1928**

1928 *Pomarea iphis* Murphy and Mathews, Am. Mus. Novit., 337:6 (Huahuna Island, Marquesas)

Description: Male—glossy black except for primaries, secondaries, and rectrices, which are brownish black; breast and belly mottled with black and white; under tail-coverts white. Female—top of head dark brown, rest of upperparts brown; underparts buffy white with black bases of throat feathers showing through. Immature—similar to female.

Soft Parts: Bill black; iris brown; feet black.

Measurements: Wing ♂ 94, ♀ 88; tail ♂ 80, ♀ 75; bill 17; tarsus 27.

Range: Marquesas Islands (Ua Huka)

Pomarea iphis fluxa Murphy and Mathews, 1928

1928 *Pomarea iphis fluxa* Murphy and Mathews, Am. Mus. Novit., 337:7 (Eiao Island, Marquesas)

Description: Differs from *P. i. iphis* by having the black and white mottled areas of the male more extensive (including the back and wing-coverts) and the throat of the female heavily streaked with black. Also smaller (wing ♂ 85, ♀ 82; tail ♂ 77, ♀ 71).

Range: Marquesas Islands (Eiao)

Remarks: This is a shy bird of the original forest; its habits are virtually unknown.

LARGE FLYCATCHER**PLATE 25****Pomarea whitneyi** Murphy and Mathews, 1928

1928 *Pomarea whitneyi* Murphy and Mathews, Am. Mus. Novit., 337:8 (Fatu-hiva Island, Marquesas)

Description: Both male and female black. Immature—upperparts cinnamon-brown; underparts whitish.

Soft Parts: Bill bluish horn; iris brown; legs blue-gray; feet black.

Measurements: Wing 113; tail 101; bill 21; tarsus 32.

Range: Marquesas Islands (Fatu Hiva)

Remarks: The habits of this bird of the forest are unknown.

MAYR'S FLYCATCHER**PLATE 26****Mayrornis versicolor** Mayr, 1933

1933 *Mayrornis versicolor* Mayr, Am. Mus. Novit., 651:19 (Ongea Levu, eastern Fiji)

Description: Upperparts dark gray; tail brownish gray tipped with buff; underparts pinkish cinnamon; chin and upper throat somewhat paler.

Soft Parts: Bill blue-black; iris brown; feet grayish.

Measurements: Wing ♂ 69, ♀ 66; tail ♂ 60, ♀ 58; bill 14; tarsus 18.

Range: Fiji (Ongea Levu)

Remarks: This flycatcher is a bird of the brushy lowlands and forest edges.

CINEREOUS FLYCATCHER

PLATE 26

Mayornis lessoni lessoni (G. R. Gray, 1846)

1846 *R.[hipidura] Lessoni* G. R. Gray, Gen. Birds, 1:258 (Ovalau)

1848 *Monarcha cinereus* Peale, U. S. Expl. Expd., 8:101 (near Bahr = Mba, Viti Levu, Fiji)

Description: Upperparts gray, rump paler; upper tail-coverts black tipped with white; tail black and rectrices tipped with white, outermost almost one-half white; wings dull black, secondaries tipped with white; forehead, lores, and superciliary stripe white; underparts gray-white, belly somewhat whiter.

Soft Parts: Bill bluish; iris brown; feet grayish.

Measurements: Wing ♂ 69, ♀ 65; tail ♂ 59, ♀ 56; bill 14; tarsus 17.

Range: Fiji (Kandavu, Kio, Leleuvia, Malake, Mbengga, Mbulia, Ngga-me, Ono, Ovalau, Rambi, Taveuni, Vanua Kula, Vanua Levu, Viti Levu, Vuro, Yanganga, Yanutha, Yaukuve Levu)

Mayornis lessoni orientalis Mayr, 1933

1933 *Mayornis lessoni orientalis* Mayr, Am. Mus. Novit., 651:18 (Yangasa Cluster, eastern Fiji)

Description: Differs from *M. l. lessoni* by having the rump uniform in color with the back, lacking white tips to the upper tail-coverts and secondaries, and having sides of face darker; also larger (wing ♂ 75, ♀ 71; tail ♂ 67, ♀ 64; bill 17; tarsus 20).

Range: Fiji (Aiwa, Explorers Islands, Kambara, Mango, Marambo, Moala, Mothe, Naitaumba, Namuka-I-Lau, Oneata, Ongea Levu, Thithia, Vanuavatu, Vatuvara, Wanggava, Yangasa-levu)

Remarks: A bird of the rain forest, it is most commonly found from 5 to 50 feet; it is not a shy bird.

FIJI SHRIKEBILL

PLATE 26

Clytorhynchus vitiensis vitiensis (Hartlaub, 1866)

1866 *Myiolestes vitiensis* Hartlaub, Ibis, p. 173 (Ovalau)

Description: Crown and back brown, rest of upperparts more reddish brown; rectrices tipped with buffy white; lores, superciliary stripe, and face gray-brown; underparts dirty gray; flanks and under tail-coverts reddish brown.

Soft Parts: Bill black; iris brown; feet bluish gray.

Measurements: Wing ♂ 88, ♀ 85; tail ♂ 75, ♀ 74; bill 22; tarsus 21.

Range: Fiji (Koro, Makongai, Mbengga, Namenalala, Ngau, Ovalau, Viti Levu, Wakaya)

***Clytorhynchus vitiensis compressirostris* (Layard, 1876)**

1876 *Myiolestes compressirostris* Layard, Ibis, p. 153 (Kandavu Island)

Description: Differs from *C. v. vitiensis* by having the upperparts lighter and the underparts less grayish, more buffy; also smaller but with a longer bill (wing ♂ 86, ♀ 83; tail ♂ 72, ♀ 71; bill 23).

Range: Fiji (Kandavu, Ono, Vanua Kula)

***Clytorhynchus vitiensis buensis* (Layard, 1876)**

1876 *M.[yiolestes] buensis* Layard, Ibis, p. 145 (Mbua Bay, Vanua Levu, Fiji)

Description: Differs from *C. v. vitiensis* by having the upperparts paler and washed with olive, sides of face grayer, and underparts less grayish and washed with olive-buff; also slightly larger (wing ♂ 90, ♀ 88; tail ♂ 78, ♀ 76; bill 23).

Range: Fiji (Kio, Vanua Levu)

***Clytorhynchus vitiensis layardi* Mayr, 1933**

1875 *Pachycephala macrorhyncha* Layard, Proc. Zool. Soc. London, p. 150 (Taviuni) (not *Pachycephala macrorhyncha* Strickland, 1849)

1933 *Clytorhynchus vitiensis layardi* Mayr, Am. Mus. Novit., 628:9 (Taviuni Island, Fiji)

Description: Differs from *C. v. buensis* by having the upperparts more rufous, face grayer, underparts washed with olive-buff; also larger (wing ♂ 92, ♀ 88; tail ♂ 79, ♀ 76; bill 24).

Range: Fiji (Taveuni)

***Clytorhynchus vitiensis pontifex* Mayr, 1933**

1933 *Clytorhynchus vitiensis pontifex* Mayr, Am. Mus. Novit., 628:11 (Ngamia Island, Fiji)

Description: Differs from *C. v. buensis* by having the underparts purer gray, under tail-coverts lighter; also larger (wing ♂ 95, ♀ 90; tail ♂ 80, ♀ 78; bill 24).

Range: Fiji (Nggamea, Rambi)

***Clytorhynchus vitiensis vatuana* Mayr, 1933**

1933 *Clytorhynchus vitiensis vatuana* Mayr, Am. Mus. Novit., 628:12 (Tuvutha Island)

Description: Differs from *C. v. pontifex* by having the underparts slightly washed with buff; also slightly larger. A weakly defined race.

Range: Fiji (Tuvutha, Vatuvara, Yathata)

***Clytorhynchus vitiensis nesiotes* (Wetmore, 1919)**

1919 *Pinarolestes nesiotes* Wetmore, Bull. Mus. Comp. Zool., 63:216 (Kambara, Lau Archipelago, Fiji)

Description: Differs from *C. v. pontifex* and *vatuana* by having the upperparts duller rufous and the underparts paler gray, especially the belly; also larger (wing ♂ 100, ♀ 99).

Range: Fiji (Aiwa, Fulanga, Kambara, Namuka-I-Lau, Oneata, Ongea Levu, Wanggava, Yangasalevu)

***Clytorhynchus vitiensis heinei* (Finsch and Hartlaub, 1869)**

1869 *Myiolestes heinei* Finsch and Hartlaub, Proc. Zool. Soc. London, p. 546 (Tonga Islands)

Description: Differs from *C. v. nesiotes* by having the face darker gray-black, underparts uniformly paler gray, and white tips on rectrices larger; also smaller (wing ♂ 97, ♀ 92; bill 25).

Range: Tonga (Fotuhaa, Kelelesia, Mango, Nomuka Iki, Ofolanga, Teaupua, Telekiaapai, Telekitonga, Tofonga, Tonumea, Tungua, Uoleva, Uonuku Hahake, Uonuku Hihifo)

***Clytorhynchus vitiensis wiglesworthi* Mayr, 1933**

1933 *Clytorhynchus vitiensis wiglesworthi* Mayr, Am. Mus. Novit., 628:14 (Rotumah Island)

Description: Differs from *C. v. layardi* by having the face darker, underparts more grayish, buffy white tips on rectrices smaller, and a shorter tail (♂ 77, ♀ 74).

Range: Rotuma

***Clytorhynchus vitiensis fortunae* (Layard, 1876)**

1876 *M. [yiolestes] fortunae* Layard, Ibis, p. 145 (Fortuna Island)

Description: The palest and smallest of all races. Upperparts light brown; face gray; underparts gray, belly almost white.

Measurements: Wing ♂ 84, ♀ 82; tail ♂ 70, ♀ 68; bill 21.

Range: Horne Islands (Alofi, Futuna)

***Clytorhynchus vitiensis powelli* (Salvin, 1879)**

1879 *Pinarolestes powelli* Salvin, Proc. Zool. Soc. London, p. 128 (Tutuila = Manua Islands, Samoa)

Description: Differs from the Fiji and Tonga forms by having the upperparts darker, face darker gray, and the underparts darker, especially the flanks, which contrast with the pale gray belly.

Measurements: Wing ♂ 91, ♀ 88; tail ♂ 75, ♀ 73; bill 23.

Range: American Samoa (Ofu, Olosega, Tau)

***Clytorhynchus vitiensis keppeli* Mayr, 1933**

1933 *Clytorhynchus vitiensis keppeli* Mayr, Am. Mus. Novit., 628:16 (Keppel Island)

Description: The darkest form. Upperparts dark brown; buffy white tips on rectrices almost absent and the underparts uniform dark gray-brown.

Range: Tonga (Niuatoputapu, Tafahi)

Remarks: This is a bird of the wet, dark forest.

BLACK-THROATED SHRIKE-THRUSH

PLATE 26

***Clytorhynchus nigrogularis nigrogularis* (Layard, 1875)**

1875 *Lalage nigrogularis* Layard, Proc. Zool. Soc. London, p. 149 (Levuka, Ovalau Island)

1876 *Myiolestes maxima* Layard, Ibis, p. 498 (Kandavu Island)

Description: Male—crown and nape grayish brown; rest of upperparts olive-brown; wings and tail brownish; forehead, lores, superciliary, chin, throat, and patch behind ear-coverts black with a posterior silver-gray border; ear-coverts silver-gray; rest of underparts gray-brown. Female—upperparts reddish brown; underparts gray-brown; flanks and under tail-coverts reddish brown. Immature—like female. Individual variation—adults vary from relatively brownish to grayish.

Soft Parts: Bill black, tip horn colored; iris brown; feet bluish gray.

Measurements: Wing ♂ 104, ♀ 102; tail ♂ 86, ♀ 82; bill 28; tarsus 25.

Range: Fiji (Kandavu, Ovalau, Taveuni, Vanua Levu, Viti Levu)

Remarks: This bird of the dense forest forages on the ground; it is usually very difficult to find.

VANIKORO BROADBILL

PLATE 27

***Myiagra vanikorensis rufiventris* Elliot, 1859**

- 1859 *Myiagra rufiventris* Elliot, Ibis, p. 393 (Samoan or Navigator's Islands = Viti Levu, Fiji)
1867 *Myiagra castaneiventris* Finsch and Hartlaub, Beitr. Fauna Cent., Orn., p. 95 (Upolu Island, Samoa = Viti Levu, Fiji)

Description: Male—top of head, chin, and throat glossy blue-green black; back, rump, and wing-coverts gray; wings and tail black; breast dark burnt orange, breast paler. Female—upperparts dull gray; chin and upper throat white, rest of underparts pale ochre.

Soft Parts: Bill bluish; iris brown; feet black.

Measurements: Wing ♂ 74, ♀ 70; tail ♂ 57, ♀ 54; bill 18; tarsus 17.

Range: Fiji (Asawa Ilau, Kio, Koro, Malake, Malolo, Matathawa Levu, Mathuata, Mbatiki, Monuriki, Nairai, Namenalala, Nathula, Navandra, Naviti, Ngualilo, Ovalau, Rambi, Taveuni, Thikombia, Thombia, Vanua Levu, Viti Levu, Viwa, Wakaya, Waya, Yandua, Yanutha, Yasawa)

***Myiagra vanikorensis kandavensis* Mayr, 1933**

- 1933 *Myiagra vanikorensis kandavensis* Mayr, Am. Mus. Novit., 651:9 (Kandavu, Fiji)

Description: Differs from *M. v. rufiventris* as follows: Male—back and rump darker like the head; burnt orange of the breast and belly darker and richer. Female—upper and lower parts much darker.

Range: Fiji (Kandavu, Mbengga, Mbulia, Ndravuni, Ono, Vanua Kula, Vatulele, Yaukuve Lailai, Yaukuve Levu)

***Myiagra vanikorensis dorsalis* Mayr, 1933**

- 1933 *Myiagra vanikorensis dorsalis* Mayr, Am. Mus. Novit., 651:9 (Matuku Island, Fiji)

Description: Differs from *M. v. kandavensis* by being uniformly darker in color.

Range: Fiji (Avea, Mango, Matuku, Moala, Munia, Naitumba, Sovu Islets, Thithia, Totoya, Vanuambalavu, Vatavara, Welangilala, Yathata)

***Myiagra vanikorensis townsendi* Wetmore, 1919**

- 1919 *Myiagra townsendi* Wetmore, Bull. Mus. Comp. Zool., 63:205 (Kambara Island, Lau Archipelago, Fiji)

Description: Differs from other races by being darker; having the glossy black of the throat extending to the upper breast; and, most importantly, being larger (wing ♂ 76, ♀ 73; tail ♂ 65, ♀ 63).

Range: Fiji (Aiwa, Fulanga, Kambara, Komo, Lakemba, Mothe, Namuka-I-Lau, Oneata, Ongea Levu, Vanuavatu, Wanggava, Yangasalevu)

Remarks: This is a common bird of open areas; it may be found in gardens as well as at the edges of forests.

SAMOAN BROADBILL

PLATE 27

Myiagra albiventris (Peale, 1848)

1848 *Platyrrhynchus albiventris* Peale, U. S. Expl. Expd., 8:102 (Upolu, Samoa)

Description: Male—top of head black with a blue gloss; back and rump dark gray glossed with green; wings and tail black; chin and throat burnt orange; breast, belly, and under tail-coverts white. Female—upperparts grayer, black not so intense; chin and throat paler. Immature—similar to adults but duller.

Soft Parts: Bill bluish black; iris brown; feet black.

Measurements: Wing ♂ 72, ♀ 69; tail ♂ 62, ♀ 58; bill 17; tarsus 16.

Range: Western Samoa (Savaii, Upolu)

Remarks: This is a bird of the forests from seacoast to mountain tops. Not shy, the species usually forages and perches solitarily within 50 feet of the ground.

BLUE-CRESTED BROADBILL

PLATE 27

Myiagra azureocapilla azureocapilla Layard, 1875

1875 *Myiagra azureocapilla* Layard, Ibis, p. 434 (Taviuni, Fiji)

Description: Male—top of head and ear-coverts pale blue; forehead, lores, and stripe behind eye blackish; back, rump, and wing-coverts dark slate-blue; wings and tail black with dark blue edges; chin and throat dark chestnut; rest of underparts white. Female—crown gray; upperparts dark rufous brown; chin and throat whitish; chestnut band across upper breast. Immature—similar to female but duller.

Soft Parts: Bill orange; iris brown; feet grayish.

Measurements: Wing ♂ 83, ♀ 79; tail ♂ 72, ♀ 69; bill 17; tarsus 21.

Range: Fiji (Taveuni)

***Myiagra azureocapilla castaneigularis* Layard, 1876**

1876 *Myiagra castaneigularis* Layard, Ibis, p. 389 (Kandi, Vanua Levu, Fiji)

Description: Differs from *M. a. azureocapilla* as follows: Male—rectrices tipped with white, the chin and throat lighter chestnut, and the breast and belly purer white. Female—back more olivaceous, rectrices tipped with white, and the chin and throat paler chestnut. Both sexes also smaller (wing ♂ 75, ♀ 75; tail ♂ 66, ♀ 66).

Range: Fiji (Vanua Levu)

***Myiagra azureocapilla whitneyi* Mayr, 1933**

1933 *Myiagra azureocapilla whitneyi* Mayr, Am. Mus. Novit., 651:16 (Viti Levu, Fiji)

Description: Differs from *M. a. castaneigularis* by having the rectrices with reduced white tips and the chin and throat darker chestnut. Also smaller (wing ♂ 73, ♀ 73; tail ♂ 65, ♀ 60).

Range: Fiji (Viti Levu)

Remarks: This broadbill is a bird of the mountain forest and is often seen sitting on branches underneath the tops of tall trees. One bird of unidentified subspecies has been recorded from Kandavu.

KANDAVU FANTAIL

PLATE 26

***Rhipidura personata* Ramsay, 1876**

1876 *Rhipidura personata* Ramsay, Proc. Linn. Soc. New South Wales, 1:43 (Kandavu Island, Fiji)

Description: Top of head and neck dark gray-brown; eyebrow white; back and wings dark brown; tail black, outer rectrices tipped with white; underparts white, throat with a brownish black band and belly with a light buffy wash.

Soft Parts: Bill black; iris brown; feet brown.

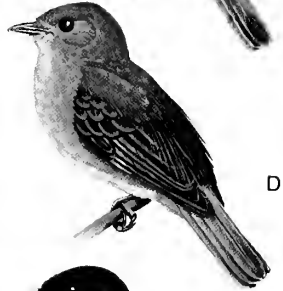
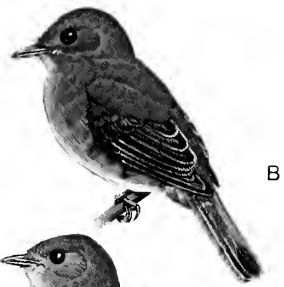
Measurements: Wing ♂ 85, ♀ 80; tail ♂ 91, ♀ 88; bill 12; tarsus 18.

Range: Fiji (Kandavu)

Remarks: A retiring bird of the brushy creek beds, it is often found in groups.

PLATE 25

- A RAROTONGA FLYCATCHER
(*Pomarea dimidiata*), male—page 135
- B RAROTONGA FLYCATCHER
(*Pomarea dimidiata*), female—page 135
- C SOCIETY ISLANDS FLYCATCHER
(*Pomarea nigra*), male—page 136
- D SOCIETY ISLANDS FLYCATCHER
(*Pomarea nigra*), immature—page 136
- E MARQUESAS FLYCATCHER
(*Pomarea mendozae*), male—page 136
- F MARQUESAS FLYCATCHER
(*Pomarea mendozae*), female—page 136
- G ALLIED FLYCATCHER
(*Pomarea iphis*), male—page 137
- H ALLIED FLYCATCHER
(*Pomarea iphis*), female—page 137
- I LARGE FLYCATCHER
(*Pomarea whitneyi*), male—page 138
- J LARGE FLYCATCHER
(*Pomarea whitneyi*), immature—page 138
-



SANDSTRÖM

PLATE 26

- A MAYR'S FLYCATCHER
(*Mayrornis versicolor*), male—page 138
- B CINEREOUS FLYCATCHER
(*Mayrornis lessoni lessoni*), male—page 139
- C FIJI SHRIKEBILL
(*Clytorhynchus vitiensis pontifex*), male—page 140
- D FIJI SHRIKEBILL
(*Clytorhynchus vitiensis keppeli*), male—page 142
- E BLACK-THROATED SHRIKE-THRUSH
(*Clytorhynchus nigrogularis nigrogularis*), male—page 142
- F BLACK-THROATED SHRIKE-THRUSH
(*Clytorhynchus nigrogularis nigrogularis*), female—page 142
- G KANDAVU FANTAIL
(*Rhipidura personata*), male—page 145
- H SPOTTED FANTAIL
(*Rhipidura spilodera layardi*), male—page 152
- I SAMOAN FANTAIL
(*Rhipidura nebulosa nebulosa*), male—page 152
-

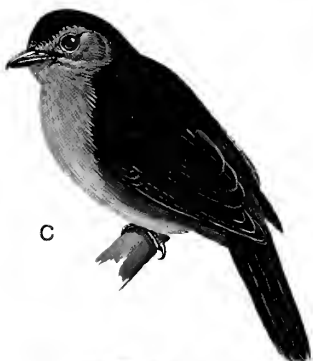
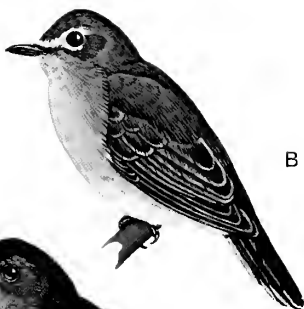
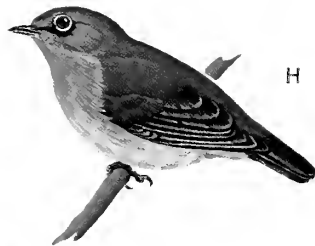
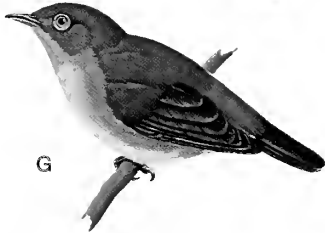
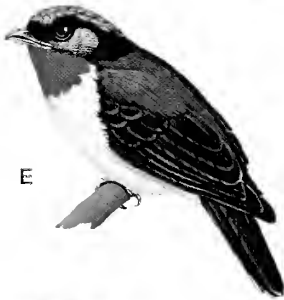
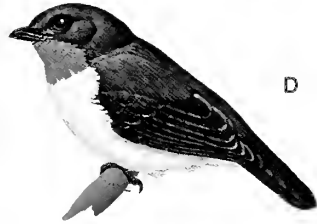
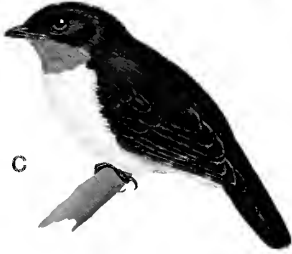
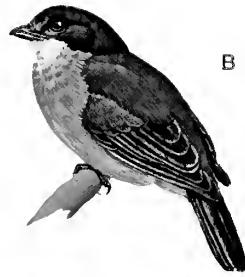


PLATE 27

- A VANIKORO BROADBILL
(*Myiagra vanikorensis rufiventris*), male—page 143
- B VANIKORO BROADBILL
(*Myiagra vanikorensis rufiventris*), female—page 143
- C SAMOAN BROADBILL
(*Myiagra albiventris*), male—page 144
- D SAMOAN BROADBILL
(*Myiagra albiventris*), female—page 144
- E BLUE-CRESTED BROADBILL
(*Myiagra azureocapilla whitneyi*), male—page 145
- F BLUE-CRESTED BROADBILL
(*Myiagra azureocapilla whitneyi*), female—page 145
- G SAMOAN WHITE-EYE
(*Zosterops samoensis*), male—page 157
- H LAYARD'S WHITE-EYE
(*Zosterops explorator*), male—page 157
- I GRAY-BACKED WHITE-EYE
(*Zosterops lateralis flaviceps*), male—page 160
- J GRAY-BACKED WHITE-EYE
(*Zosterops lateralis lateralis*), male—page 160
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SPOTTED FANTAIL

PLATE 26

***Rhipidura spilodera layardi* Salvadori, 1877**

- 1875 *Rhipidura albogularis* Layard, Proc. Zool. Soc. London, p. 29 (Ovalau Island, Fiji)
 1877 *Rhipidura layardi* Salvadori, Ibis, p. 143 (new name for *Rhipidura albogularis*, preoccupied)

Description: Upperparts dull grayish brown; short eyebrow and ear tuft white; tail blackish with white tips to outer rectrices; chin and upper throat white; lower throat and breast white streaked with brown; belly and flanks rufous-buff.

Soft Parts: Bill, upper mandible black, lower mandible horn; iris brown; feet brownish.

Measurements: Wing ♂ 82, ♀ 79; tail ♂ 90, ♀ 85; bill 7; tarsus 19.

Range: Fiji (Ovalau, Viti Levu)

***Rhipidura spilodera erythronota* Sharpe, 1879**

- 1879 *Rhipidura erythronota* Sharpe, Cat. Bds. Brit. Mus., 4:307 (in key), 337 (Vanua Levu, Fiji)

Description: Differs from *R. s. layardi* by having the back and wings more rufous and the head contrasting with the back.

Range: Fiji (Kio, Vanua Levu, Yangganga)

***Rhipidura spilodera rufilateralis* Sharpe, 1879**

- 1876 *Rhipidura albicollis* Layard, Ibis, p. 149 (Taviuni Island) (*nomen nudum*, also preoccupied)
 1879 *Rhipidura rufilateralis* Sharpe, Cat. Bds. Brit. Mus., 4:307 (in key), 337 (N'gila, Taviuni)

Description: Differs from *R. s. layardi* by having the back lighter brown, the breast with fewer streaks, and the flanks dark rufous.

Range: Fiji (Taveuni, Vanua Levu)

Remarks: A common bird of the lowlands, this species may be found from gardens to the dense original forest.

SAMOAN FANTAIL

PLATE 26

***Rhipidura nebulosa nebulosa* Peale, 1848**

- 1848 *Rhipidura nebulosa* Peale, U. S. Expl. Expd., 8:99 (Upolu, Samoa)
 1876 *Rhipidura fuscescens* Cabanis and Reichenow, Journ. f. Orn., 24:319 (Se-gaar Bay, New Guinea = Upolu, Samoa)

Description: Entire bird sooty gray except for a white spot over the eye and the ear tufts, which are also white; rectrices with white margins; belly buffy; under tail-coverts white.

Soft Parts: Bill, upper mandible black, lower mandible horn; iris horn; feet black.

Measurements: Wing ♂ 74, ♀ 71; tail ♂ 80, ♀ 77; bill 11; tarsus 18.

Range: Western Samoa (Upolu)

***Rhipidura nebulosa altera* Mayr, 1931**

1931 *Rhipidura nebulosa altera* Mayr, Am. Mus. Novit., 502:13 (Savaii Island, Samoa)

Description: Differs from *R. n. nebulosa* by having the white over the eye and ear tufts more pronounced, the buff of the belly more extended, and the white margins of the rectrices reduced in length but wider.

Range: Western Samoa (Savaii)

Remarks: This bird is found above 3000 feet to mountain tops, often in the middle stratum of the forest canopy where its chirps give its location away. It is commonly found in pairs.

GOLDEN WHISTLER

PLATE 28

***Pachycephala pectoralis kandavensis* Ramsay, 1876**

1876 *Pachycephala kandavensis* Ramsay, Proc. Linn. Soc. New South Wales, 1:65 (Kandavu, Fiji)

Description: Male—top and sides of head black; narrow nuchal collar yellow; rest of upperparts dark olive; chin and throat white bordered by a black collar; breast, belly, flanks, and under tail-coverts yellow. Female—upperparts dark olive-brown; chin and throat pinkish cinnamon, rest of underparts buffy cinnamon. Immature—similar to female but strongly washed with olive.

Soft Parts: Bill black; iris brown; feet brownish.

Measurements: Wing ♂ 89, ♀ 87; tail ♂ 66, ♀ 65; bill 17; tarsus 23.

Range: Fiji (Kandavu, Mbengga, Ono, Vanua Kula)

***Pachycephala pectoralis vitiensis* G. R. Gray, 1859**

1859 *Pachycephala vitiensis* G. R. Gray, Cat. Bds. Trop. Isl. Pac., p. 20 (Ngau, Fiji)

Description: Differs from *P. p. kandavensis* as follows: Male—tail black, black breast band wider, and yellow underparts much richer. Female—much richer ochraceous.

Range: Fiji (Ngau)

***Pachycephala pectoralis lauana* Mayr, 1932**

1932 *Pachycephala pectoralis lauana* Mayr, Am. Mus. Novit., 531:12 (Ongea Levu, Lau Archipelago, Fiji)

Description: Differs from *P. p. vitiensis* as follows: Male—back blackish olive. Female—paler below, belly very pale buffy white.

Range: Fiji (southern Lau Archipelago: Fulanga, Ongea Levu, Wanggava)

***Pachycephala pectoralis bella* Mayr, 1932**

1932 *Pachycephala pectoralis bella* Mayr, Am. Mus. Novit., 531:14 (Vatu Vara Island)

Description: Differs from *P. p. lauana* as follows: Male—orange-yellow supraloral spots, back more olive, chin and throat golden yellow. Female—rufous-brown, paler underparts.

Range: Fiji (Vatuvara)

***Pachycephala pectoralis koroana* Mayr, 1932**

1932 *Pachycephala pectoralis koroana* Mayr, Am. Mus. Novit., 531:15 (Koro, Fiji)

Description: Differs from *P. p. bella* as follows: Male—lacks orange-yellow spot on either side of forehead; chin and throat richer golden yellow. Female—uniformly darker.

Range: Fiji (Koro)

***Pachycephala pectoralis torquata* Layard, 1875**

1875 *Pachycephala torquata* Layard, Proc. Zool. Soc. London, p. 150 (Taviuni Island, Fiji)

Description: Differs from *P. p. koroana* as follows: Male—breast band narrower and underparts slightly paler. Female—similar but in a long series tends to be more rufous.

Range: Fiji (Taveuni)

***Pachycephala pectoralis ambigua* Mayr, 1932**

1932 *Pachycephala pectoralis ambigua* Mayr, Am. Mus. Novit., 531:16 (Rambi Island, Fiji)

Description: Differs from *P. p. torquata* as follows: Male—less black in the back; chin and throat paler orange-yellow and breast band narrower. Female—upperparts more rufous, lower parts brownish.

Range: Fiji (Kio, Natewa Peninsula of Vanua Levu, Rambi)

***Pachycephala pectoralis optata* Hartlaub, 1866**

1866 *Pachycephala* (?) *optata* Hartlaub, Ibis, p. 172 (Ovalau Island)

1876 *Pachycephala intermedia* Layard, Ibis, p. 154 (Tai Levu, northeastern Viti Levu)

- 1879 *Pachycephala neglecta* Layard, Proc. Zool. Soc. London, p. 147 (Ovalau Island)

Description: Differs from *P. p. ambigua* as follows: Male—upperparts more olive, orange-yellow of underparts more yellowish, and breast band reduced so that it is almost indistinct. Female—variable and not diagnostic.

Range: Fiji (Ovalau, northeast coast of Viti Levu)

***Pachycephala pectoralis graeffii* Hartlaub, 1866**

- 1866 *Pachycephala graeffii* Hartlaub, Ibis, p. 172 (Viti Levu, Fiji)

Description: Differs from *P. p. optata* as follows: Male—has two yellow supraloral spots and lacks a complete black necklace; however, the bases of the feathers are black and in the hand an indistinct “necklace” shows through from beneath. Female—underparts much grayer and slightly mottled with black.

Range: Fiji (Viti Levu, Waya)

***Pachycephala pectoralis aurantiiventris* Seebohm, 1891**

- 1891 *Pachycephala aurantiiventris* Seebohm, Ibis, pp. 94, 96 (Bua, Vanua Levu Island, Fiji)

Description: Differs from *P. p. graeffii* as follows: Male—supraloral spots larger, back darker olive, breast band almost nonexistent, and yellow-orange darker. Female—no distinct characters.

Range: Fiji (Vanua Levu [except southeastern peninsula], Yangganga)

Remarks: A bird of the rain forest, it is often seen in small flocks of eight to 20.

TONGA WHISTLER

PLATE 28

***Pachycephala jacquinoti* Bonaparte, 1850**

- 1850 *Pachycephala jacquinoti* Bonaparte, Consp. Av., 1:329 (Vavao, Tonga Islands)*
1853 *Eopsaltria melanops* Pucheran, Voy. Pole Sud, Zool., 3:56 (Vavao, Tonga Islands)

*Some authors maintain that *Pachycephala jacquinoti* Bonaparte is a *nomen nudum* and therefore call this species *Pachycephala melanops* Pucheran. Although it is true that Bonaparte did not give a description of *jacquinoti*, he attached the name to a reference to a published figure of the bird, and this suffices to make the name available under Article 16 of the International Code of Zoological Nomenclature.

Description: Male—head, chin, and throat black; nuchal collar yellow; back and wing-coverts olive; wings and tail brownish black, rectrices tipped with yellow; breast, belly, flanks, and under tail-coverts golden yellow. Female—top of head gray-brown; back dull olive; wings dark brown with rufous edges; tail dark olive tipped with rufous; chin and throat buffy white; rest of underparts pale yellow. Immature—duller than adults but somewhat resembles female.

Soft Parts: Bill black; iris brown; feet grayish.

Measurements: Wing ♂ 103, ♀ 97; tail ♂ 71, ♀ 68; bill 19; tarsus 25.

Range: Tonga (Ava, Euakafa, Kapa, Late, Vavau)

Remarks: A bird of the low scrub of original forest, it is locally quite common.

SAMOAN WHISTLER

PLATE 28

Pachycephala flavifrons (Peale, 1848)

1848 *Eopsaltria flavifrons* Peale, U. S. Expl. Expd., 8:96 (Upolu, Samoa)

1848 *Eopsaltria icteroides* Peale, U. S. Expl. Expd., 8:97 (Samoa)

1848 *Eopsaltria albifrons* Peale, U. S. Expl. Expd., 8:97 (Samoa)

1850 *Pachycephala hombroni* Bonaparte, Consp. Av., 1:329 (Samoa)

1853 *Eopsaltria diademata* Pucheran, Voy. Pole Sud, Zool., 3:55 (Samoa)

Description: There are three distinct color phases of this species that interbreed and can all be found in the same tree at the same time.

Phase I: Male—forehead and supraloral stripe yellow; upperparts black with a slight olive wash; wings and tail black; feathers of chin and throat dark gray with yellow tips; breast, belly, and under tail-coverts dark yellow. Female—yellow of forehead and supraloral stripe grayish yellow. Immature—similar to female but lower parts paler.

Phase II: Differs by having tips of feathers on throat white.

Phase III: Differs by having tips of the forehead and throat white.

Soft Parts: Bill black; iris brown; feet grayish.

Measurements: Wing ♂ 87, ♀ 83; tail ♂ 59, ♀ 56; bill 18; tarsus 25.

Range: Western Samoa (Savaii, Upolu)

Remarks: This bird may be found from seacoasts to mountain tops and ranges from low scrub to tree tops. It travels in groups of four to 10.

ZOSTEROPIDAE

WHITE-EYES

SAMOAN WHITE-EYE

PLATE 27

Zosterops samoensis Murphy and Mathews, 1929

1929 *Zosterops samoensis* Murphy and Mathews, Am. Mus. Novit., 356:11 (Savaii)

Description: Upperparts yellowish olive, rump and upper tail-coverts paler; primaries and tail brownish black; lores dirty yellow; eye-ring white; chin and upper throat light yellow; rest of underparts white washed with yellow, flanks somewhat greener.

Soft Parts: Bill brownish; iris light yellow; feet grayish.

Measurements: Wing ♂ 59, ♀ 57; tail ♂ 37, ♀ 36; bill 11; tarsus 16.

Range: Western Samoa (Savaii)

Remarks: This bird inhabits the tops of trees at elevations above 4500 feet. Its habit of traveling in flocks of 10 to 40 birds makes it very easy to find because the birds are quite vocal.

LAYARD'S WHITE-EYE

PLATE 27

Zosterops explorator Layard, 1875

1875 *Zosterops explorator* Layard, Proc. Zool. Soc. London, p. 29 (Kandavu, Fiji)

Description: Upperparts uniform olive-yellow; primaries and tail blackish brown; eye-ring white, lower half bordered with black; chin, throat, and breast yellow; belly gray-white lightly washed with yellow; under tail-coverts yellow.

Soft Parts: Bill blackish brown, base horn; iris brown; feet gray.

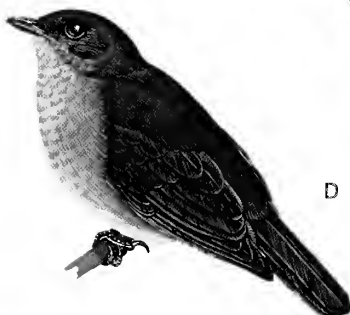
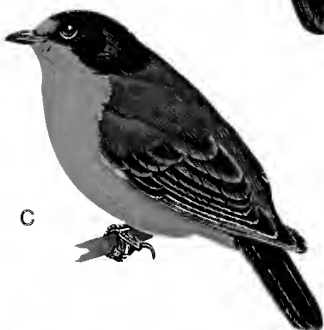
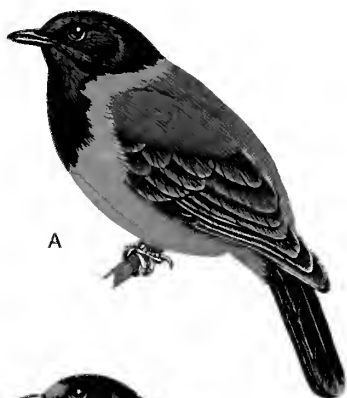
Measurements: Wing ♂ 61, ♀ 60; tail ♂ 35, ♀ 35; bill 12; tarsus 18.

Range: Fiji (Kandavu, Ovalau, Taveuni, Vanua Levu, Viti Levu)

Remarks: A bird of the hills and mountains, it is found above 2500 feet, often in small flocks.

PLATE 28

- A TONGA WHISTLER
(*Pachycephala jacquinoti*), male—page 155
- B TONGA WHISTLER
(*Pachycephala jacquinoti*), female—page 155
- C GOLDEN WHISTLER
(*Pachycephala pectoralis aurantiiventris*), male—page 155
- D GOLDEN WHISTLER
(*Pachycephala pectoralis aurantiiventris*), female—page 155
- E GOLDEN WHISTLER
(*Pachycephala pectoralis vitiensis*), male—page 153
- F GOLDEN WHISTLER
(*Pachycephala pectoralis vitiensis*), female—page 153
- G GOLDEN WHISTLER
(*Pachycephala pectoralis torquata*), male—page 154
- H SAMOAN WHISTLER
(*Pachycephala flavifrons*), male—page 156
-



GRAY-BACKED WHITE-EYE

PLATE 27

***Zosterops lateralis flaviceps* Peale, 1848**

- 1848 *Zosterops flaviceps* Peale, U. S. Expl. Expd., 8:95 (Vanua Levu, Fiji)
 1876 *Zosterops caerulescens* var. *kandavensis* Ramsay, Proc. Linn. Soc. New South Wales, 1:71 (Kandavu)
 1925 *Zosterops lateralis mugga* Mathews, Bull. Brit. Orn. Cl., 45:86 (new name for *Zosterops flaviceps* Finsch and Hartlaub, 1867, Beitr. Fauna Cent., Orn., p. 52 [Viti Levu], erroneously thought not to be *flaviceps* Peale, 1848)

Description: Top of head and hind neck dark olive; back gray washed with olive; eye-ring white, lower half bordered with black; rump and upper tail-coverts olive-yellow; primaries and tail brownish black; chin and throat yellow; breast grayish; belly whitish with buffy flanks.

Soft Parts: Bill light brown; iris brown; feet light brown to gray.

Measurements: Wing ♂ 60, ♀ 59; tail ♂ 44, ♀ 43; bill 11; tarsus 18.

Range: Fiji (Kandavu, Kioa, Koro, Makongai, Malake, Mbatiki, Mbengaga, Moala, Nairai, Namenalala, Nathula, Naviti, Ngau, Ovalau, Rambi, Taveuni, Vanua Kula, Vanua Levu, Vatulele, Viti Levu, Viwa, Vuro, Wakaya, Waya, Yandua, Yanuya, Yasawa, Yaukuve Levu)

Remarks: This is an endemic bird of the lowlands, especially the open country, where it travels in small groups.

***Zosterops lateralis lateralis* (Latham, 1801)**

- 1801 *Sylvia lateralis* Latham, Ind. Orn., suppl., p. 55 (Tasmania? or mainland)

Description: Differs from *Z. l. flaviceps* by having the upperparts duller green, underparts whiter, and flanks more cinnamon.

Range: Introduced from New Zealand to the Society Islands (Bora-Bora, Moorea, Raiatea, Tahiti).

Remarks: This well-established bird is commonly found from the sea-coast to the mountains.

MELIPHAGIDAE

HONEY-EATERS

CARDINAL HONEY-EATER

PLATE 29

***Myzomela cardinalis nigriventris* Peale, 1848**

- 1848 *Myzomela nigriventris* Peale, U. S. Expl. Expd., 8:150 (Upolu Island, Samoa)
1889 *Myzomela rubro-cucullata* Tristram, Ibis, p. 228 (St. Aignan; error = Samoa Islands)

Description: Male—head, back, rump, upper tail-coverts, chin, throat, and upper breast red; lores, wings, tail, lower breast, and belly black. Female—entire bird dark olive-gray, paler underneath; only lower back and rump being red. Immatures—similar to females but with reduced red patches.

Soft Parts: Bill black; iris gray; feet black.

Measurements: Wing ♂ 68, ♀ 62; tail ♂ 44, ♀ 39; bill 17; tarsus 19.

Range: American Samoa (Tutuila)
Western Samoa (Savaii, Upolu)

Remarks: A common bird of both open country and dense forest, it has been recorded from sea level to the mountain tops.

ROTUMA HONEY-EATER

PLATE 29

***Myzomela chermesina* G. R. Gray, 1846**

- 1846 *Myzomela chermesina* G. R. Gray, Gen. Bds., 1, pl. 38 (no locality = Rotuma Island)

Description: Male—back, rump, throat, breast, and flanks red; rest of bird black. Female—similar to male but red areas duller and reduced in size. Immature—similar to female but red areas reduced and black is a brownish black.

Soft Parts: Bill black; iris brown; feet black.

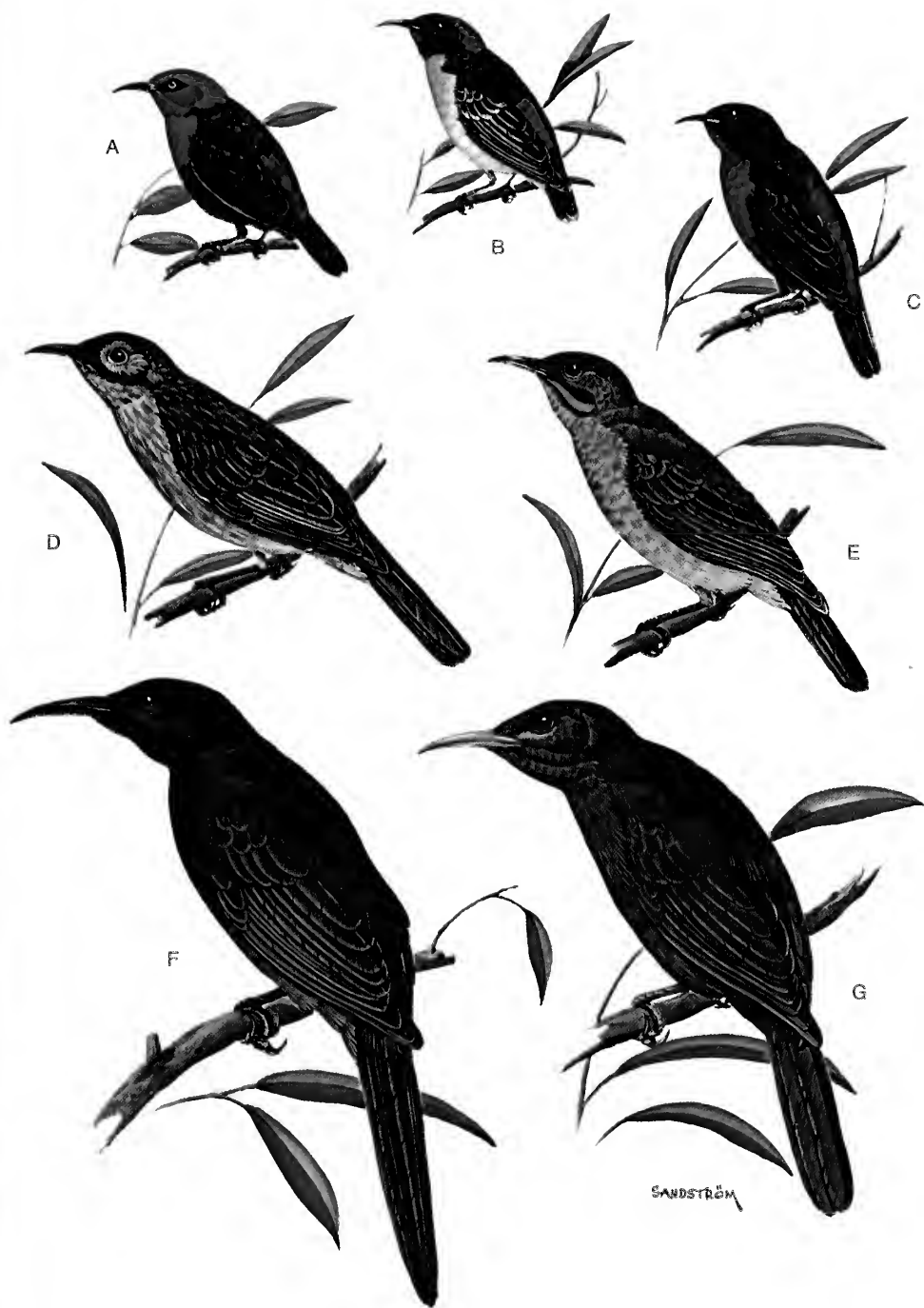
Measurements: Wing ♂ 77, ♀ 70; tail ♂ 54, ♀ 48; bill 16; tarsus 19.

Range: Rotuma

Remarks: A bird of the open lands and forest, it is most often found around flowering trees.

PLATE 29

- A CARDINAL HONEY-EATER
(*Myzomela cardinalis nigriventris*), male—page 161
- B ORANGE-BREASTED HONEY-EATER
(*Myzomela jugularis*), male—page 164
- C ROTUMA HONEY-EATER
(*Myzomela chermesina*), male—page 161
- D KANDAVU HONEY-EATER
(*Foulehaio provocator*), male—page 166
- E WATTLED HONEY-EATER
(*Foulehaio carunculata carunculata*), male—page 164
- F MAO
(*Gymnomyza samoensis*), male—page 167
- G GIANT FOREST HONEY-EATER
(*Gymnomyza viridis viridis*), male—page 166
-



ORANGE-BREASTED HONEY-EATER

PLATE 29

***Myzomela jugularis* Peale, 1848**

- 1848 *Myzomela jugularis* Peale, U. S. Expl. Expt., 8:150 (Vanua Leva Island, Fiji)
 1853 *Myzomela solitaria* Pucheran, Voy. Pole Sud, Zool., 3:99 (Solomon Islands = Fiji Islands)

Description: Male—crown and hind neck red; forehead, face, and back black; lower back, rump, and upper tail-coverts red; chin and upper throat red, lower throat black; breast yellow-orange, rest of underparts yellow-white; wings black, primaries and secondaries edged with olive, wing-coverts tipped with white; tail black, rectrices tipped with white. Female—similar to male but red patches smaller and duller; black of upperparts not so intense; all of underparts yellowish white. Immature—similar to female but duller.

Soft Parts: Bill black; iris brown; feet gray-black.

Measurements: Wing ♂ 62, ♀ 58; tail ♂ 39, ♀ 35; bill ♂ 19, ♀ 17; tarsus 17.

Range: Fiji (Fulanga, Kambara, Kandavu, Katafanga, Komo, Koro, Lakemba, Leleuvia, Makongai, Mango, Matathawa Levu, Matuku, Mbatiki, Moala, Monariki, Mothe, Namenalala, Namuka-I-Lau, Nathula, Naviti, Ndravuni, Olorua, Oneata, Ongea Levu, Ovalau, Rambi, Tavunasithi, Thikombia-I-Lau, Thithia, Totoya, Vanua Kula, Vanuambalavu, Vanuavatu, Vatoa, Viti Levu, Viwa, Wakaya, Wanggava, Waya, Yangasalevu, Yanuya, Yasawa, Yaukuve Levu)

Remarks: This is a common bird of the open country and forests.

WATTLED HONEY-EATER

PLATE 29

***Foulehaio carunculata carunculata* (Gmelin, 1788)**

- 1788 *Certhia carunculata* Gmelin, Syst. Nat., 1:472 (Tongatabu)
 1826 *Creadion tabuensis* Stephens, in Shaw's Gen. Zool., 14:233 (new name for *Certhia carunculata* Gmelin, 1788)
 1826 *Philemon musicus* Vieillot, Dict. Sci. Nat., 39:480 (Tongatabu)
 1876 *Pilotis flavo-aurita* Layard, Ibis, p. 148 (Fortuna Island)

Description: Male—upperparts olive-green; ear-coverts yellowish; wings and tail dark brown edged with olive-yellow; underparts olive-gray with under tail-coverts being grayer. Female—similar to male but underparts washed with olive-yellow.

Soft Parts: Bill black; iris brown; wattles and base of lower mandible orange-yellow; feet dark gray.

Measurements: Wing ♂ 100, ♀ 90; tail ♂ 85, ♀ 72; bill 19; tarsus 29.

Range: American Samoa (Ofu, Olosega, Tau, Tutuila)

Fiji (Aiwa, Fulanga, Lakemba, Marambo, Matuku, Mothe, Nayaau, Oneata, Ongea Levu, Ono-I-Lau, Tuvutha, Vanuambalavu, Vatuvara, Yathata)

Horne Islands (Alofi, Futuna)

Tonga (Eua, Euakafa, Fakahiku, Fonoifua, Fonuaika, Fonualei, Fotuhaa, Haafeva, Haano, Hunga Haapai, Kao, Kapa, Kelelesia, Late, Lua Hoko, Mango, Maninita, Moungaone, Nomuka, Nomuka Iki, Ofolanga, Oua, Pepea, Teaupa, Telekiaapai, Telekivavau, Tofonga, Tofua, Toku, Tongatapu, Tonumea, Tungua, Uiha, Uoleva, Uonuku Hahake, Vavau)

Western Samoa (Savaii, Upolu)

Foulehaio carunculata procerior (Finsch and Hartlaub, 1867)

1867 *Ptilotis procerior* Finsch and Hartlaub, Beitr. Fauna Cent., Orn., p. 62 (Ovalau Island, Fiji)

Description: Differs from *F. c. carunculata* by having the feathers of the crown and back edged with black, giving an overall darker appearance; malar streak black; feathers of throat and breast have black shaft streaks and edges, giving a scaled appearance; underparts grayer.

Range: Fiji (Kandavu, Nathula, Ovalau, Vatulele, Vawa, Viti Levu, Yasawa)

Foulehaio carunculata taviunensis (Wiglesworth, 1891)

1876 *Ptilotis similis* Layard, Ibis, p. 148 (Taviuni Island, Fiji)

1891 *Ptilotis procerior taviunensis* Wiglesworth, Abh. Ber. Mus. Dresden, 3:34 (new name for *Ptilotis similis* Layard, 1876, preoccupied)

1891 *Ptilotis procerior buaensis* Wiglesworth, Abh. Ber. Mus. Dresden, 3:34 (Vanua Levu Island, Fiji)

Description: Differs from *F. c. procerior* by having the malar streak gray-black; feathers of throat and breast lack black shaft streaks and edges, giving a uniform gray-green appearance.

Range: Fiji (Mathuata, Nggamea, Rambai, Taveuni, Vanua Levu, Yangganga)

Remarks: A common bird at the edges of forests and in dense jungle, it has been recorded from sea level to mountain tops.

KANDAVU HONEY-EATER

PLATE 29

Foulehaio provocator (Layard, 1875)

1875 *Ptilotis provocator* Layard, Proc. Zool. Soc. London, p. 28 (Kandavu Island, Fiji)

1876 *Ptilotis xanthophrys* Finsch, Journ. Mus. Godeffroy, 4:5 (Fiji)

Description: Top of head olive-brown becoming darker on forehead; back olive-brown with light shaft streaks; wings and tail brown; wide circle around eye and ear-coverts golden yellow; malar stripe blackish brown; underparts dark gray, feathers with light shaft streaks.

Soft Parts: Bill black; iris brown; feet greenish.

Measurements: Wing ♂ 106, ♀ 87; tail ♂ 79, ♀ 69; bill ♂ 21, ♀ 18; tarsus 30.

Range: Fiji (Kandavu)

Remarks: This is a common bird of the scrub and forest throughout Kandavu.

GIANT FOREST HONEY-EATER

PLATE 29

Gymnomyza viridis viridis (Layard, 1875)

1875 *Tatara* (?) *viridis* Layard, Proc. Zool. Soc. London, p. 150 (Taviuni Island, Fiji)

Description: Entire bird olive-green, outer edges of primaries and rectrices lighter olive-green.

Soft Parts: Bill yellow; iris brown; feet yellow.

Measurements: Wing ♂ 145, ♀ 124; tail ♂ 120, ♀ 104; bill 32; tarsus 35.

Range: Fiji (Taveuni, Vanua Levu)

Gymnomyza viridis brunneirostris (Mayr, 1932)

1932 *Amoromyza viridis brunneirostris* Mayr, Am. Mus. Novit., 516:3 (Viti Levu Island, Fiji)

Description: Differs from *G. v. viridis* by being lighter olive-green; bill and feet blackish brown, not yellow; bill smaller (30) and tail longer (♂ 127, ♀ 113).

Range: Fiji (Viti Levu)

Remarks: A bird of tall trees of the mountain forest, it is usually found above 1500 feet. It is said to creep on tree trunks.

MAO

PLATE 29

Gymnomyza samoensis (Hombron and Jacquinot, 1814)

- 1814 *Merops samoensis* Hombron and Jacquinot, Ann. Sci. Nat., 16:314 (Samoa Islands = Upolu Island)
- 1848 *Entomiza* (?) *olivacea* Peale, U.S. Expl. Expd., 8:145 (Upolu Island)
- 1852 *Philedon leptornis* Reichenbach, Handb. Spec. Orn., 1:141 (Oceania = Samoa)
- 1853 *Leptornis sylvestris* Pucheran, Voy. Pole Sud, Zool., 3:86 (Samoa)

Description: Top of head, chin, and upper throat dark olive-black; stripe beneath eye and ear-coverts olive; back and tail olive-brown, rump and upper tail-coverts somewhat lighter; breast and belly dark olive-brown; under tail-coverts brownish.

Soft Parts: Bill black; iris brown; feet black, soles yellow.

Measurements: Wing ♂ 148, ♀ 134; tail ♂ 137, ♀ 121; bill 43; tarsus 46.

Range: American Samoa (Tutuila)

Western Samoa (Savaii, Upolu)

Remarks: This bird is found above 3000 feet in mountain forests. It feeds in tree tops and is very shy.

ESTRILDIDAE

GRASS FINCHES,
MANNIKINS, WAXBILLS

Many members of this large family of finches have been introduced to the South Pacific, mainly to Fiji, the Society Islands, and the Marquesas. The exact date of introduction is often difficult to establish; however, it is known that Eastham and Carrie Guild introduced some 50–55 species to Tahiti in the 1920's, most of which did not establish themselves. Only those species that have established populations are treated here, but one must recognize that a small remanent population of one or the other introduced species may still exist in some isolated areas. The members of the genus *Erythrura* are native to the South Pacific.

COMMON WAXBILL

PLATE 30

Estrilda astrild ssp. (Linnaeus, 1758)

- 1758 *Loxia Astrild* Linnaeus, Syst. Nat., 1:73 (Canaries, America, Africa = Cape Town)

Description: Upperparts gray-brown barred with dark brown; tail dark brown; lores and stripe behind eye red; underparts pale gray-brown barred with dark brown and washed with red on the throat and breast, becoming a central stripe on the belly; under tail-coverts black.

Soft Parts: Bill red; iris brown; feet black.

Measurements: Wing ♂ 47, ♀ 49; tail ♂ 45, ♀ 46; bill 8.5; tarsus 12.

Range: Introduced from Africa to the Society Islands (Moorea, Tahiti).

Remarks: A common bird of the open areas, it is usually found in small groups of four to 10.

WEAVERBIRD

PLATE 30

***Aegintha temporalis temporalis* (Latham, 1801)**

1801 *Fringilla temporalis* Latham, Ind. Orn., suppl., p. 48 (New Holland = Sydney, New South Wales)

Description: Forehead, crown, and cheeks gray; lores and eye-stripe red; patches on sides of neck dull golden green; back and wings dark olive; rump and upper tail-coverts bright red; tail dark brownish black; chin whitish; throat and breast gray; belly buff; under tail-coverts gray.

Soft Parts: Bill, upper mandible red, lower mandible red; iris brown; feet flesh color.

Measurements: Wing ♂ 53, ♀ 54; tail ♂ 46, ♀ 47; bill 10; tarsus 13.

Range: Introduced from Australia to the Society Islands (Moorea, Tahiti).

Remarks: Commonly seen around towns and in the open countryside, this bird often travels in flocks of 10 to 20.

STRAWBERRY FINCH

PLATE 30

***Amandava amandava* ssp. (Linnaeus, 1758)**

1758 *Fringilla amandava* Linnaeus, Syst. Nat., 1:180 (Calcutta)

Description: Male—top of head mottled olive and dark red; back olive-brown; upper tail-coverts dark red; tail black; wing-coverts dark brown with white spots; underparts bright red with fine white spots on sides of

breast and flanks. Female—upperparts olive-brown; chin and throat whitish; rest of underparts buffy.

Soft Parts: Bill bright red; iris orange-red; feet pale brown.

Measurements: Wing ♂ 53, ♀ 52; tail ♂ 36, ♀ 36; bill 9; tarsus 12.

Range: Introduced from Southern Asia to Fiji (Taveuni, Vanua Levu, Viti Levu).

Remarks: A common bird of the open lowlands, especially rice fields and other grassy areas, it often travels in large flocks.

RED-HEADED PARROT-FINCH

PLATE 30

Erythrura cyaneovirens cyaneovirens (Peale, 1848)

1848 *Geospiza cyaneovirens* Peale, U. S. Expl. Expd., 8:117 (Upolu, Samoa)

1850 *Erythrura pucherani* Bonaparte, Consp. Av., 1:457 (Oceania = Upolu, Samoa)

1870 *Lobiospiza notabilis* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 817 (Upolu, Samoa)

Description: Forehead, crown, sides of face, and nape red; back and wings blue-green; upper tail-coverts and tail reddish maroon; chin, throat, and upper breast bluish; rest of underparts green. Young are much duller, with bill mostly yellow.

Soft Parts: Bill blackish; iris brown; feet brown.

Measurements: Wing ♂ 64, ♀ 62; tail ♂ 37, ♀ 35; bill 12; tarsus 16.

Range: Western Samoa (Upolu)

Erythrura cyaneovirens pealii Hartlaub, 1852

1848 *Geospiza prasina* Peale, U. S. Expl. Expd., 8:116 (Vanua Levu, Fiji)

1852 *Erythrura Pealii* Hartlaub, Arch. f. Naturg., p. 104 (new name for *Geospiza prasina* Peale, 1848, preoccupied)

Description: Differs from *E. c. cyaneovirens* by having the red on the head and tail brighter, the back greener, the chin blackish, and the green of the underparts greener.

Range: Fiji (Kandavu, Malolo, Naviti, Taveuni, Tavua, Vanua Levu, Viti Levu, Waya, Yanuya, Yasawa)

Erythrura cyaneovirens gaughrani duPont, 1972

1972 *Erythrura cyaneovirens gaughrani*, Wil. Bull., 84:376 (Mt. 'O'a, Savaii, Western Samoa, 5000')

Description: Differs from *E. c. cyaneovirens* by having the red on the head and tail darker; blue on the nape paler and less extensive; back, wings, and underparts greener, lacking the heavy bluish wash.

Range: Western Samoa (Savaii)

Remarks: This is a bird of the low bush and floor of forests. It may be found in gardens along the seacoast to the mountain tops.

PINK-BILLED PARROT-FINCH

PLATE 30

***Erythrura kleinschmidti* (Finsch, 1878)**

1878 *Amblynura kleinschmidti* Finsch, Proc. Zool. Soc. London, p. 440 (Viti Levu)

Description: Face black; central and hind part of crown bluish; back and wings green; rump and upper tail-coverts bright red; tail dark brown; underparts green; sides of face, especially ear-coverts, brighter.

Soft Parts: Bill pinkish yellow; iris red; feet light purple.

Measurements: Wing ♂ 66, ♀ 69; tail ♂ 35, ♀ 34; bill 17; tarsus 20.

Range: Fiji (Viti Levu)

Remarks: A bird of the open areas around rice fields, it may be found in flocks of 10 to 25. It is often overlooked and sometimes considered to be other species. In the Samoas this bird has turned up as a cage pet imported from Fiji.

CHESTNUT-BREASTED FINCH

PLATE 30

***Lonchura castaneothorax castaneothorax* (Gould, 1837)**

1837 *Amadina castaneothorax* Gould, Syn. Bds. Austr., pt. 2, pl. 21 (Australia = New South Wales)

Description: Forehead, crown, and hind neck light gray-brown, feathers with dark brown centers; back and wing-coverts dark reddish brown; rump and upper tail-coverts bright orange-brown; primaries and rectrices dark brown; face, chin, and upper throat dark brownish black; feathers of face have orange shafts; central throat buffy brown followed by a dark brownish black band separating it from the breast; breast and

belly white; under tail-coverts black. Immature—uniformly light brown with darker brown wings and tail; breast and belly creamy.

Soft Parts: Bill bluish; iris brown; feet bluish.

Measurements: Wing ♂ 56, ♀ 54; tail ♂ 33, ♀ 31; bill 11; tarsus 14.

Range: Introduced from Australia to the Society Islands (Bora-Bora, Moorea, Raiatea, Tahiti).

Remarks: A common bird of the open farm areas, it is often seen in large flocks of 20 to 50.

JAVA SPARROW

PLATE 30

***Padda oryzivora* (Linnaeus, 1758)**

1758 *Loxia oryzivora* Linnaeus, Syst. Nat., 1:173 (Asia and Ethiopia = Java)

Description: Top of head black; back and wings light blue-gray; rump and tail black; sides of face white; chin black; throat and breast light blue-gray; belly purplish gray; under tail-coverts white lightly washed with purple. Immature—dull gray above; cheeks and underparts pale brownish gray; bill black.

Soft Parts: Bill pink; iris brown; feet pinkish.

Measurements: Wing ♂ 64, ♀ 64; tail ♂ 41, ♀ 40; bill 16; tarsus 16.

Range: Introduced from Indonesia to Fiji (Taveuni, Vanua Levu, Viti Levu).

Remarks: Introduced in the 1930's, this is a common bird of open lowlands, especially the rice fields, as well as local gardens.

STURNIDAE

STARLINGS

SAMOAN STARLING

PLATE 31

***Aplonis atrifusca* (Peale, 1848)**

1848 *Lamprotornis atrifusca* Peale, U. S. Expl. Expd., 8:109 (Samoan Islands = Upolu)

1853 *Sturnoides gigas* Pucheran, Voy. Pole Sud, Zool., 3:84 (Samoa)

Description: Entire bird very dark brown; head, chin, throat, and breast somewhat darker, somewhat iridescent.

Soft Parts: Bill black; iris dark brown; feet black.

Measurements: Wing ♂ 156, ♀ 146; tail ♂ 107, ♀ 100; bill 35; tarsus 35.

Range: American Samoa (Ofu, Olosega, Tau, Tutuila)
Western Samoa (Savaii, Upolu)

Remarks: A common bird found from seacoast to mountain tops, it is often seen in small groups.

POLYNESIAN STARLING

PLATE 31

***Aplonis tabuensis brevirostris* (Peale, 1848)**

1848 *Lamprotorornis brevirostris* Peale, U. S. Expl. Expd., 7:111 (Samoan Islands = Upolu)

Description: Upperparts dark brown, top of head glossed with purple; outer margins of secondaries white; underparts gray-brown with whitish shaft streaks.

Soft Parts: Bill yellowish brown; iris yellow; feet horn-brown.

Measurements: Wing ♂ 106, ♀ 101; tail ♂ 56, ♀ 53; bill 19; tarsus 26.

Range: Western Samoa (Savaii, Upolu)

***Aplonis tabuensis tutuila* Mayr, 1942**

1942 *Aplonis tabuensis tutuila* Mayr, Am. Mus. Novit., 1166:2 (Tutuila)

Description: Differs from *A. t. brevirostris* by being darker, especially the underparts; also larger (wing ♂ 112, ♀ 101; tail ♂ 61, ♀ 54).

Range: American Samoa (Tutuila)

***Aplonis tabuensis manuae* Mayr, 1942**

1942 *Aplonis tabuensis manuae* Mayr, Am. Mus. Novit., 1166:1 (Tau)

Description: Differs from *A. t. tutuila* by having the upperparts darker, with only the slightest trace of white in the secondaries; the underparts dark gray-brown without any pale shaft streaks; also smaller (wing ♂ 108, ♀ 104; tail ♂ 59, ♀ 56).

Range: American Samoa (Ofu, Olosega, Tau)

***Aplonis tabuensis brunnescens* Sharpe, 1890**

- 1890 *Aplonis brunnescens* Sharpe, Cat. Bds. Brit. Mus., 13:126 (in key), 132 (Savage Island = Niue Island)

Description: Differs from *A. t. brevirostris* by having the upperparts browner; underparts ashy brown, shaft streaks narrower; under tail-coverts paler.

Range: Niue

***Aplonis tabuensis tabuensis* (Gmelin, 1788)**

- 1788 *Lanius tabuensis* Gmelin, Syst. Nat., 1:306 (Friendly Islands = Tonga Islands)
 1836 *Aplonis marginata* Gould, Proc. Zool. Soc. London, p. 73 (Tonga Islands)
 1844 *Lanius gambieranus* Lesson, Echo du Monde Sav., p. 232 (Gambier Islands)
 1848 *Lamprotornis* (?) *fusca* Peale, U. S. Expl. Expd., 7:110 (Tonga and Fiji Islands = Tongatabu)
 1852 *Aplonis marginalis* Hartlaub, Arch. f. Natürg., p. 132 (new name for *fusca* Peale, 1848, preoccupied)
 1859 *Aplonis cassini* G. R. Gray, Proc. Zool. Soc. London, p. 163 (new name for *fusca* Peale, 1848)

Description: Differs from *A. t. brevirostris* by having upperparts lighter brown; underparts much paler, almost buffy; brown with shaft streaks not so contrasting; also larger (wing ♂ 112, ♀ 108; tail ♂ 65, ♀ 63; bill 25).

Range: Fiji (Lau Archipelago: Ono-I-Lau, Vatoa)

Tonga (Ata, Ava, Eua, Euakafa, Foa, Fonoifua, Fotuhaa, Haafeva, Haano, Hunga Haapai, Hunga Tonga, Kao, Kelelesia, Late, Lifuka, Mango, Moungaone, Nomuka, Nomuka Iki, Ofolanga, Oua, Teaupā, Telekiaapai, Telekitonga, Tofua, Tongatapu, Tonumea, Tungua, Uiha, Uoleva, Vavau)

***Aplonis tabuensis tenebrosus* Mayr, 1942**

- 1942 *Aplonis tabuensis tenebrosus* Mayr, Am. Mus. Novit., 1166:3 (Boscawen)

Description: Differs from *A. t. tabuensis* by being almost uniformly dark sooty brown; upperparts with a greenish gloss; lower parts have very fine, buffy shaft streaks.

Measurements: Wing ♂ 112, ♀ 107; tail ♂ 64, ♀ 60.

Range: Tonga (Niuatoputapu, Tafahi)

***Aplonis tabuensis nesiotes* Mayr, 1942**

1942 *Aplonis tabuensis nesiotes* Mayr, Am. Mus. Novit., 1166:3 (Niuafoou)

Description: Differs from *A. t. tenebrosa* by being slightly lighter, the green gloss of the upperparts not so heavy, the pale shaft streaks not so conspicuous, and the belly paler.

Measurements: Wing ♂ 116, ♀ 113; tail ♂ 69, ♀ 67.

Range: Tonga (Niuafoou)

***Aplonis tabuensis fortuneae* Layard, 1876**

1876 *Aplonis fortuneae* Layard, Ibis, p. 147 (Fortuna = Futuna)

Description: Differs from *A. t. tabuensis* by having the back browner; the underparts paler, especially the belly; and the shaft streaks whiter. Also smaller.

Measurements: Wing ♂ 108, ♀ 103; tail ♂ 66, ♀ 63.

Range: Horne Islands (Alofi, Futuna, Uvea)

***Aplonis tabuensis rotumae* Mayr, 1942**

1942 *Aplonis tabuensis rotumae* Mayr, Am. Mus. Novit., 1166:4 (Rotuma)

Description: Differs from *A. t. fortuneae* by having the upperparts gray-brown, the underparts grayer with wider shaft streaks, and the whitish of the belly more extensive.

Measurements: Wing ♂ 109, ♀ 103; tail ♂ 64, ♀ 60.

Range: Rotuma

***Aplonis tabuensis vitiensis* Layard, 1876**

1876 *Aplonis vitiensis* Layard, Proc. Zool. Soc. London, p. 502 (Viti Levu, Fiji)

Description: Differs from *A. t. tabuensis* by being uniformly lighter in color, having broader shaft streaks, and being smaller.

Measurements: Wing ♂ 98–115, ♀ 98–110; tail ♂ 56–69, ♀ 55–65.

Range: Fiji. The color of the iris varies in this form. Those populations having a yellow iris: Fulanga, Kambara, Katafanga, Komo, Marambo, Mothe, Namuka-I-Lau, Nanuku Levu, Nggele Levu, Nukumbasanga, Olorua, Oneata, Ongea Levu, Sovu Islets, Tavunasithi, Tuvutha, Vanuamasi, Vanuavatu, Vatuvava, Wanggava, Yangasalevu. Those populations having a brown iris: Avea, Kandavu, Kimbombo Islands, Kio, Makongai, Matuku, Moala, Namenalala, Naviti, Nayau, Ndravuni, Ono, Ovalau, Rambi, Taveuni, Thikombia-I-Lau, Thithia, Totoya, Vanua Kula, Vatulele, Viti Levu, Wakaya, Yandua, Yasawa, Yaukuve Levu. Those populations having both colors: Aiwa, Lakemba, Mango, Munia, Naitaumba, Vanuambalavu, Vatanua, Welangilala, Yathata. Those populations having the color of the iris unknown: Ngau, Thikombia.

Remarks: A common bird of the open lands and forest, it may be found from the seacoast to the mountain tops.

MYSTERIOUS STARLING**PLATE 31*****Aplonis mavornata* Buller, 1887**

- 1887 *Aplonis mavornata* Buller, 1887 (1888), Bds. New Zealand, ed. 2, p. 25 (no locality = ?Raiatea)
1890 *Aplonis inornata* Sharpe, Cat. Bds. Brit. Mus., 13:135 (emendation of *Aplonis mavornata* Buller)

Description: Entire bird brown with a slight gloss on the head; wing primaries and tail slightly darker. As this unique specimen was on exhibit in the British Museum for many years, it may be faded.

Soft Parts: Unknown.

Measurements: Wing 106; tail 56; bill 19; tarsus 28.

Range: ?Society Islands (Raiatea). Extinct.

Remarks: This bird is known only from a unique specimen in the British Museum and is believed to have been collected somewhere in the Central or South Pacific. It has been intimated that it may have come from Raiatea in the Society Islands group.

RAROTONGA STARLING**PLATE 31*****Aplonis cinerascens* Hartlaub and Finsch, 1871**

- 1871 *Aplonis cinerascens* Hartlaub and Finsch, Proc. Zool. Soc. London, p. 29 (Rarotonga)

Description: Top of head brown with a coppery gloss; mantle, rump, and upper tail-coverts gray-brown with gray margins to the feathers of the rump and upper tail-coverts; wings and tail dark brown; underparts gray-brown, becoming paler on the belly.

Soft Parts: Bill bluish slate; iris dark slate; feet bluish slate.

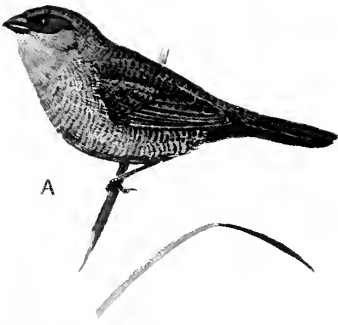
Measurements: Wing 123; tail 74; bill 26; tarsus 30.

Range: Cook Islands (Rarotonga)

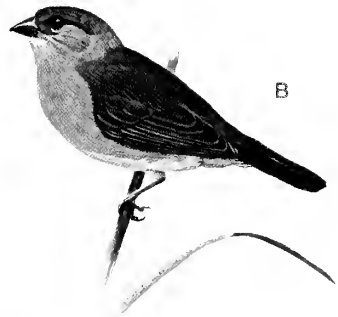
Remarks: The habits of this bird are unknown.

PLATE 30

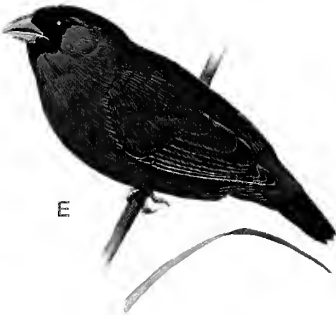
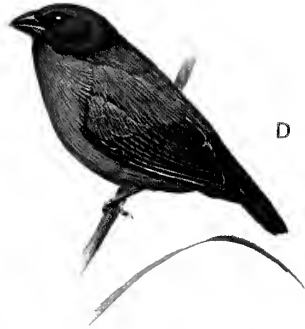
- A COMMON WAXBILL
(*Estrilda astrild*), male—page 167
 - B WEAVERBIRD
(*Aegintha temporalis*), male—page 168
 - C STRAWBERRY FINCH
(*Amandava amandava*), male—page 168
 - D RED-HEADED PARROT-FINCH
(*Erythrura cyaneovirens*), male—page 169
 - E PINK-BILLED PARROT-FINCH
(*Erythrura kleinschmidtii*), male—page 170
 - F CHESTNUT-BREASTED FINCH
(*Lonchura castaneothorax*), male—page 170
 - G JAVA SPARROW
(*Padda oryzivora*), male—page 171
-



B



D



F

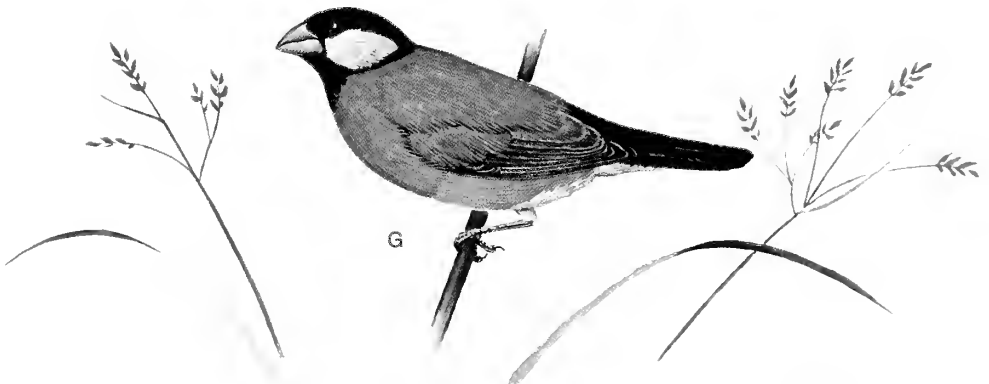
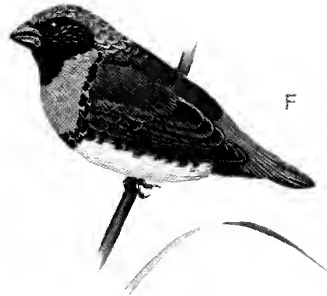
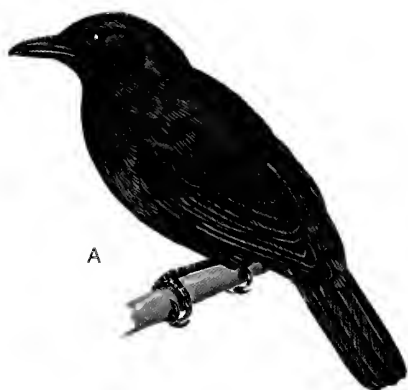


PLATE 31

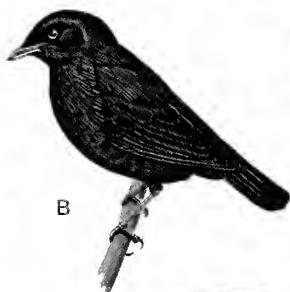
- A SAMOAN STARLING
(*Aplonis atrifusca*), male—page 171
- B MYSTERIOUS STARLING
(*Aplonis mavornata*), male—page 175
- C POLYNESIAN STARLING
(*Aplonis tabuensis brevirostris*), male—page 172
- D RAROTONGA STARLING
(*Aplonis cinerascens*), male—page 175
- E EUROPEAN STARLING
(*Sturnus vulgaris*), male—page 180
- F COMMON MYNA
(*Acridotheres tristis*), male—page 180
- G JUNGLE MYNA
(*Acridotheres fuscus*), male—page 181
- H BLACK-BACKED MAGPIE
(*Gymnorhina tibicen*), male—page 182
- I WHITE-BREASTED WOOD-SWALLOW
(*Artamus leucorhynchus*), male—page 181
-



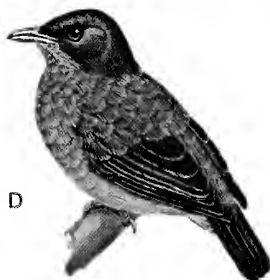
A



C



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H

EUROPEAN STARLING

PLATE 31

***Sturnus vulgaris* ssp. Linnaeus, 1758**

1758 *Sturnus vulgaris* Linnaeus, Syst. Nat., 1:67 (Sweden)

Description: Entire bird blackish; head, chin, and throat glossed with purple, rest of bird glossed with green. In freshly moulted specimens the feathers of the upperparts are tipped with buff, feathers of underparts tipped with white. Immature—uniform brownish gray.

Soft Parts: Bill yellow in breeding season, blackish brown otherwise; iris dark brown; feet dark flesh color.

Measurements: Wing ♂ 122, ♀ 120; tail ♂ 69, ♀ 66; bill 28; tarsus 27.

Range: Introduced to Fiji (southern Lau Archipelago: Ono, Vatoa, and a few outlying islands).

Remarks: This is a bird of the civilized areas and the surrounding open countryside.

COMMON MYNA

PLATE 31

***Acridotheres tristis tristis* (Linnaeus, 1766)**

1766 *Paradisea tristis* Linnaeus, Syst. Nat., 1:167 (Philippines; error = Pondichery)

Description: Top of head, face, and short crest black; back, rump, and wing-coverts dark brown; primaries brownish black with a white patch; rectrices black with white tips, the outer ones with the wider margins; chin and throat black; breast and belly violet-brown with a white patch in the center of the belly; under tail-coverts white.

Soft Parts: Bill yellow; iris yellow; naked patch around eye yellowish orange; feet yellowish orange.

Measurements: Wing ♂ 143, ♀ 140; tail ♂ 85, ♀ 83; bill 23; tarsus 38.

Range: Introduced from India to Fiji (Taveuni, Viti Levu).
Society Islands (Moorea, Raiatea, Tahiti)

Remarks: This is a common bird of the open countryside and in and about towns. It is expected to spread to other islands.

JUNGLE MYNA

PLATE 31

Acridotheres fuscus fuscus (Wagler, 1827)

1827 *Pastor fuscus* Wagler, Syst. Av., *Pastor*, 6 (India = eastern Bengal)

Description: Top of head glossy black with a crest and a nasal tuft; back, rump, and wing-coverts gray-brown; wings dark brown with a white stripe; tail blackish with wide white tips to rectrices; chin, throat, and flanks dark gray; breast and belly dirty pinkish white; under tail-coverts white.

Soft Parts: Bill orange-yellow, basal third of lower mandible bluish black; iris yellow; feet orange-yellow.

Measurements: Wing ♂ 119, ♀ 120; tail ♂ 80, ♀ 79; bill 23; tarsus 36.

Range: Introduced from India to Fiji (Nukulau, Viti Levu). Expected to spread to other islands.

Remarks: A common bird of the countryside, it often travels in small groups of four to six.

ARTAMIDAE

WOOD-SWALLOWS

WHITE-BREASTED WOOD-SWALLOW

PLATE 31

Artamus leucorhynchus mentalis Jardine, 1845

1845 *Artamus mentalis* Jardine, Ann. Mag. Nat. Hist., **16**:174 (no locality = Fiji)

Description: Top of head, mantle, back, and wings black; rump white; tail black, rectrices tipped with white; chin and upper throat black; rest of underparts white.

Soft Parts: Bill bluish, tip black; iris brown; feet blackish gray.

Measurements: Wing ♂ 127, ♀ 122; tail 75; bill 23; tarsus 16.

Range: Fiji (Kio, Makongai, Malolo, Matathawa Levu, Nairai, Naviti, Navua, Nggamea, Ovalau, Rambi, Taveuni, Vanua Levu, Vawa, Viti Levu, Waya, Yandua, Yasawa)

Remarks: A common bird of the lowlands, it is often seen on wires and dead branches.

CRACTICIDAE

BUTCHERBIRDS

BLACK-BACKED MAGPIE

PLATE 31

Gymnorhina tibicen ssp. (Latham, 1801)

1801 *C.[foracias]tibicen* Latham, Ind. Orn., suppl., p. 27 (New South Wales)

Description: Male—top of head, middle of back, primaries, secondaries, terminal third of tail, chin, throat, breast, and belly black; hind neck, upper back, rump, basal two thirds of tail, wing-coverts, and under tail-coverts white. Female—similar to male but upper back and rump gray.

Soft Parts: Bill slate; iris brown; feet black.

Measurements: Wing 256; tail 138; bill 49; tarsus 62.

Range: Introduced from Australia to Fiji (Taveuni).

Remarks: This bird is common around lowland towns.

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LIST of ISLAND NAMES

Here follows a partial list of localities in the South Pacific as cited by the gazetteers of *Official Standard Names Approved by the U.S. Board on Geographic Names*, prepared in the Office of Geography, Department of Interior, Washington, DC. Obsolete names, variant spellings, and common misspellings are listed, followed by their equivalent, correct spelling or name as given in the gazetteers. Names in parentheses indicate the island group in which the locality is found.

Ahe (Tuamotu)
Ahii = Ahe
Ahunui (Tuamotu)
Aisa = Aiwa
Aitutaki (Cook)
Aitutalei = Aitutaki
Aiva = Aiwa
Aiwa (Fiji)
Akiaki (Taumotu)
Alewa Kalon = Yalewa Kalou
Alofa = Alofi
Alofi (Horne)
American Samoa
Anaa (Tuamotu)
Anuu = Aunuu
Apataki (Tuamotu)
Apolima (West. Samoa)
Aratika (Tuamotu)
Arutea = Arutua
Arutua (Tuamotu)
Asawa Ilau (Fiji)
Ata (Tonga)
Atiu (Cook)
Aua = Ava
Aukena (Tuamotu)
Aukina = Aukena
Aunuu (Amer. Samoa)
Austral Islands
Ava (Tonga)
Avea (Fiji)

Beabea = Pepea
Bora-Bora (Society)
Boscawen = Tafahi

Christmas = Christmas Atoll
Christmas Atoll (Line Islands)
Cook Islands

Danger = Danger Atoll
Danger Atoll (Cook)
Dapu (Marquesas)
Ducie

Eiao (Marquesas)
Eiau = Eiao
Eua (Tonga)
Euakafa (Tonga)
Euakapa = Euakafa

Faaite (Tuamotu)
Fagataufau = Ahunui
Faite = Faaite
Fakahigo = Fakahiku
Fakahiku (Tonga)
Fakahina (Tuamotu)
Fakapoio (Tuamotu)
Fakaraua = Fakarava
Fakarava (Tuamotu)
Fannu Lai = Fonualei
Fanua = Fonualei

Fanua Lai = Fonualei
 Fanuaika = Fonuaika
 Fao = Foa
 Fatu Hiva (Marquesas)
 Fatu Huku (Marquesas)
 Fatuhiva = Fatu Hiva
 Fatuhuku = Fatu Huku
 Fenua Ura = Scilly
 Fiji Islands
 Foa (Tonga)
 Fonifua = Fonoifua
 Fonoifra = Fonoifua
 Fonoifua (Tonga)
 Fonua Lai = Fonualei
 Fonuaika (Tonga)
 Fonualei (Tonga)
 Fortuna = Futuna
 Fotuhaa (Tonga)
 Fotuna = Futuna
 Fua = Foa
 Fulanga (Fiji)
 Futuna (Horne)

 Gasele = Ngasele Bay

 Haafeva (Tonga)
 Haano (Tonga)
 Haapai Group (Tonga)
 Had = Hao
 Hao (Tuamotu)
 Hapai = Haapai Group
 Hatutu (Marquesas)
 Henderson Island
 Hiti (Tuamotu)
 Hiuaoa = Hiva Oa
 Hiva Oa (Marquesas)
 Hivaaoa = Hiva Oa
 Hivaou = Hiva Oa
 Honden = Pukapuka
 Honga = Hunga
 Honga Hapai = Hunga Haapai
 Honga Tonga = Hunga Tonga
 Hongahapai = Hunga Haapai
 Hongatonga = Hunga Tonga

Hoorn Islands = Horne Islands
 Horne Islands
 Huaheine = Huahine
 Huaheni = Huahine
 Huahine (Society)
 Huahuna = Ua Huka
 Huamiua (Marquesas)
 Huapu = Ua Pu
 Hunga (Tonga)
 Hunga Haapai (Tonga)
 Hunga Tonga (Tonga)

Ilau (Fiji)

Kamaka (Tuamotu)
 Kambara (Fiji)
 Kanathea (Fiji)
 Kanathia = Kanathea
 Kandavu (Fiji)
 Kao (Tonga)
 Kapa (Tonga)
 Katafanga (Fiji)
 Katavanga = Katafanga
 Katiu (Tuamotu)
 Katui = Katiu
 Kauehi (Tuamotu)
 Kaukura (Tuamotu)
 Kavehi = Kauehi
 Kawa-Kawa = Vawa
 Kelelesia (Tonga)
 Keppel = Niuatoputapu
 Keuehi = Kauehi
 Kimbombo Islands (Fiji)
 Kio (Fiji)
 Komo (Fiji)
 Koro (Fiji)
 Kukulau (Fiji)

Lakemba (Fiji)
 Lalona = Telekiaapai
 Late (Tonga)
 Lau Archipelago (Fiji)
 Lauthala (Fiji)
 Lefuka = Lifuka

- Leleuvia (Fiji)
 Levuka = Luvuka
 Lifuka (Tonga)
 Line Islands
 Lua Hoko (Tonga)
 Luathala = Lauthala
 Luohoko = Lua Hoko
 Luvuka (Fiji)
- Magareva (Tuamotu)
 Maiao (Society)
 Maiatho (Fiji)
 Maitea = Mehetia
 Makaroa (Tuamotu)
 Makatea (Tuamotu)
 Makemo (Tuamotu)
 Makong = Makongai
 Makongai (Fiji)
 Malake (Fiji)
 Malaki = Malake
 Malola = Malolo
 Malolo (Fiji)
 Mana (Fiji)
 Mangaia (Cook)
 Mangareva = Magareva
 Mango (Fiji)
 Mania = Mana
 Manihi (Tuamotu)
 Maninita (Tonga)
 Manono (West. Samoa)
 Manonoe = Manono
 Manoui = Manui
 Manua Islands (Amer. Samoa)
 Manui (Tuamotu)
 Marambo (Fiji)
 Maria (Tuamotu)
 Marquesas Islands
 Marutea (Tuamotu)
 Marutua = Marutea
 Matahiva (Tuamotu)
 Matathawa Levu (Fiji)
 Matathoni = Matathawa Levu
 Matathoui = Matathawa Levu
 Mathuata (Fiji)
- Matuka (Fiji)
 Matuku (Fiji)
 Maturei-Vavao (Tuamotu)
 Mauke (Cook)
 Maungaone = Moungaone
 Maupiti (Society)
 Mbatika = Mbatiki
 Mbatiki (Fiji)
 Mbenga = Mbengga
 Mbengga (Fiji)
 Mbengha = Mbengga
 Mbua Bay (Fiji)
 Mbulia (Fiji)
 Mehetia (Society)
 Mitiaro (Cook)
 Moaia = Moala
 Moala (Fiji)
 Moengava (Fiji)
 Mokani (Fiji)
 Mokongai (Fiji)
 Monuriki (Fiji)
 Moorea (Society)
 Mopelia (Society)
 Motane (Marquesas)
 Mothe (Fiji)
 Motoateiko = Motu Teiko
 Motu Teiko (Tuamotu)
 Motuiti (Marquesas)
 Mounagaone = Moungaone
 Moungaone (Tonga)
 Munia (Fiji)
 Mureia (Tuamotu)
- Naiiau = Nayau
 Nairai (Fiji)
 Naitamba = Naitaumba
 Naitaumba (Fiji)
 Nakuemanu (Fiji)
 Namena = Namenalala
 Namenalala (Fiji)
 Namuka (Fiji)
 Namuka Ilau = Namuka-I-Lau
 Namukaiki = Nomuka Iki
 Namuka-I-Lau (Fiji)

Namukalau (Fiji)
 Namukallau = Namukalau
 Nanuku Levu (Fiji)
 Napuka (Tuamotu)
 Natewa Peninsula (Fiji)
 Nathoulla = Nathula
 Nathula (Fiji)
 Navandra (Fiji)
 Naviti (Fiji)
 Navua (Fiji)
 Nayau (Fiji)
 Ndravuni (Fiji)
 Ngamea = Nggamea
 Ngamia = Nggamea
 Ngasele Bay (Fiji)
 Ngau (Fiji)
 Ngele Levu = Nggele Levu
 Nggalito (Fiji)
 Nggamea (Fiji)
 Nggele Levu (Fiji)
 Ngualito = Nggalito
 Niaou = Niau
 Niau (Tuamotu)
 Niaufou = Niuafoo
 Nihiru (Tuamotu)
 Niuafoo (Tonga)
 Niuaufou = Niuafoo
 Niuatoputapu (Tonga)
 Niue
 Nivafo'ou = Niuafoo
 Nive = Niue
 Nomuka (Tonga)
 Nomuka Iki (Tonga)
 Nomukaiki = Nomuka Iki
 Nukahiva = Nuku Hiva
 Nuku Hiva (Marquesas)
 Nukuhiva = Nuku Hiva
 Nukuhivo = Nuku Hiva
 Nukuhivu = Nuku Hiva
 Nukulau (Fiji)
 Nukumbasanga (Fiji)

Oaa = Oua
 Oeno

Ofalanga = Ofolanga
 Ofolanga (Tonga)
 Ofu (Amer. Samoa)
 Olorua (Fiji)
 Olosega (Amer. Samoa)
 Olosenga = Olosega
 Olosinga = Olosega
 Oneata (Fiji)
 Onega = Ongea Levu
 Ongea Levu (Fiji)
 Ono (Fiji)
 Ono Ilau = Ono-I-Lau
 Ono-I-Lau (Fiji)
 Ono Llau = Ono-I-Lau
 Oua (Tonga)
 Ovaka (Tonga)
 Ovalau (Fiji)

Palmerston Island
 Papa (Austral)
 Paraoa (Tuamotu)
 Pepea (Tonga)
 Pinaki (Tuamotu)
 Pitcairn Island
 Pudupudua = Putuputua
 Pukapuka (Tuamotu)
 Putuputua (Tonga)

Raevavae (Austral)
 Raiatea (Society)
 Rambai (Fiji)
 Rangiroa (Tuamotu)
 Rapa (Austral)
 Raraka (Tuamotu)
 Raroia (Tuamotu)
 Rarotonga (Cook)
 Ravaivai = Raevavae
 Ravavai = Raevavae
 Rewa (Fiji)
 Riatea = Raiatea
 Rimatara (Austral)
 Rimitara = Rimatara
 Rimituru = Rimatara
 Rose Island (Amer. Samoa)

Rotuma	Tenarunga = Tenaruga
Rurutu (Austral)	Tenerunga = Tenaruga
	Tepato = Tepoto
Samoa, American	Tepoto (Tuamotu)
Samoa, Western	Tetiaroa (Society)
Sandal Wood Bay = Mbua Bay	Thakaundrove Peninsula =
Savage Island = Niue	Natewa Peninsula
Savaii (West. Samoa)	Thikombia (Fiji)
Scilly (Society)	Thikombia Ilau =
Society Islands	Thikombia-I-Lau
Solomon Islands	Thikombia-I-Lau (Fiji)
Sovu Islets (Fiji)	Thithia (Fiji)
	Thithial = Thithia
Taenga (Tuamotu)	Thombia (Fiji)
Tafahi (Tonga)	Tickahau = Tikehau
Tafalu (Tonga)	Tikahao = Tikehau
Tahaa (Society)	Tikahau = Tikehau
Tahaiti = Tahiti	Tikehau (Tuamotu)
Tahanea (Tuamotu)	Tikei (Tuamotu)
Tahiti (Society)	Timoe Atoll (Tuamotu)
Tahuata (Marquesas)	Toao = Toau
Taiaro (Tuamotu)	Toau (Tuamotu)
Takahau (Tuamotu)	Tofanga = Tofonga
Takapoto (Tuamotu)	Tofonga (Tonga)
Takaroa (Tuamotu)	Tofua (Tonga)
Takume (Tuamotu)	Toku (Tonga)
Takurea = Takume	Tokulu (Tonga)
Tau (Amer. Samoa)	Tolanga = Tofonga
Taveuni (Fiji)	Tomberua (Fiji)
Taviuni = Taveuni	Tonga
Tavua (Fiji)	Tongatabu = Tongatapu
Tavunasithe = Tavunasithi	Tongatapu (Tonga)
Tavunasithi (Fiji)	Tongua = Tungua
Tavutha (Fiji)	Tonumea (Tonga)
Teauba = Teaupa	Tonumeia = Tonumea
Teaupa (Tonga)	Tonunieia = Tonumea
Telekiaapai (Tonga)	Totoya (Fiji)
Telekitonga (Tonga)	Tuamotu Archipelago
Telekivavau (Tonga)	Tuanake (Tuamotu)
Temoe (Tuamotu)	Tubuai (Austral)
Tenaranga = Tenaruga	Tuku I = Toku
Tenarare = Tenararo	Tungua (Tonga)
Tenararo (Tuamotu)	Tureia (Tuamotu)
Tenaruga (Tuamotu)	Turtle Island = Vatoa

Tutuila (Amer. Samoa)

Tuvatha = Tuvutha

Tuvutha (Fiji)

Ua Huka (Marquesas)

Ua Pu (Marquesas)

Uahuka = Ua Huka

Uanukuhahaki = Uonuku Hahake

Uanukuhilifu = Uonuku Hihifo

Uea (Fiji)

Uia = Uiha

Uiha (Tonga)

Unanukuhalaki = Uonuku

Hahake

Uoleva (Tonga)

Uonuku Hahake (Tonga)

Uonuku Hihifo (Tonga)

Upolu (West. Samoa)

Urha = Uiha

Uvea (Horne)

Vahaga (Tuamotu)

Vahanga = Vahaga

Vanavana (Tuamotu)

Vanevana = Vanavana

Vanua Kula (Fiji)

Vanua Levu (Fiji)

Vanua Masi = Vanuamasi

Vanua Mbaivau = Vanuambalavu

Vanua Mbalavu = Vanuambalavu

Vanua Vatu = Vanuavatu

Vanuamasi (Fiji)

Vanuambalavu (Fiji)

Vanuavatu (Fiji)

Varitao (Austral)

Vatanua (Fiji)

Vatoa (Fiji)

Vatu Ira = Vatu-I-Ra

Vatu Leile = Vatulele

Vatu Vara = Vatuvara

Vatu-I-Ra (Fiji)

Vatulele (Fiji)

Vatuvara (Fiji)

Vavau (Tonga)

Vavitao = Raevavae

Vawa (Fiji)

Vita Levu = Viti Levu

Viti Levu (Fiji)

Viwa (Fiji)

Voini (Fiji)

Vomo (Fiji)

Vormo = Vomo

Vuro (Fiji)

Waia = Waya

Wailangilala = Welangilala

Wakaia = Wakaya

Wakaya (Fiji)

Wallis Island

Wangava = Wanggava

Wanggava (Fiji)

Watanua (Fiji)

Waya (Fiji)

Welangilala (Fini)

Western Samoa

Yalewa Kalou (Fiji)

Yandua (Fiji)

Yanganga = Yangganga

Yangasa Cluster = Yangasalevu

Yangasalevu (Fiji)

Yangganga (Fiji)

Yankeve = Yaukuve Levu

Yankuve = Yaukuve Levu

Yanuaya = Yanuya

Yanutha (Fiji)

Yanuya (Fiji)

Yasawa (Fiji)

Yathata (Fiji)

Yaukuve Lailai (Fiji)

Yaukuve Levu (Fiji)

Yendua = Yandua

INDEX

- Accipiter rufitorques*, 30, pl. 8
 ACCIPITRIDAE, 30, 31
Acridotheres fuscus fuscus, 181
Acridotheres tristis tristis, 180
Acrocephalus mendanae, 124
Acrocephalus taiti, 127
Acrocephalus vauhani kaoko, 128
Acrocephalus vauhani kerearako, 128
acuminata, *Calidris*, 58, pl. 11
acuminatus, *Totanus*, 58
acuta, *Anas*, 29, 29, pl. 7
Aegintha temporalis temporalis, 168
Aestrelata heraldica, 9
Aestrelata nigripennis, 12
aethereus, *Phaethon*, 18, 18, pl. 6
agassizi, *Conopodera atypha*, 125
alba, *Calidris*, 57, pl. 11
 Gygis, 65, pl. 12
 Procellaria, 8
 Pterodroma, 8, pl. 2
 Trynga, 57
 Tyto, 100, pl. 20
 Albatross, Black-Browed, 2, pl. 1
 Light-mantled Sooty, 2, pl. 1
 Royal, 1, pl. 1
 Wandering, 1, pl. 1
 ALBATROSSES, 1, 2
albicollis, *Phlogoenas*, 70
 Rhipidura, 152
albifrons, *Eopsaltria*, 156
albigularis, *Nesofregetta*, 18, pl. 5
 Procellaria, 18
albiventris, *Myiagra*, 144, pl. 27
 Platyrrhynchus, 144
albugularis, *Rhipidura*, 152
 ALCEDINIDAE, 107-112
Alcedo sacra, 109
Alcedo tuta, 111
Alcedo venerata, 110
altera, *Rhipidura nebulosa*, 153, 153
amabilis, *Charmosyna*, 86, pl. 18
 Glossopsitta, 86
 Trichoglossus, 86
Amadina castaneothorax, 170
amandava, *Amandava*, 168, pl. 30
 Fringilla, 168
Amandava amandava, 168, pl. 30
ambigua, *Pachycephala pectoralis*,
 154, 154
Amblylura kleinschmidtii, 170
Amoromyza viridis brunneirostris, 166
anaethetus, *Sterna*, 61, 61, pl. 13
 Sterna anaethetus, 61
Anas acuta, 29, 29, pl. 7
Anas clypeata, 29, 29, pl. 7
Anas superciliosa pelewensis, 28, 28
 ANATIDAE, 28-30
Anna, *Conurus*, 96
Anous minutus, 65
Anous stolidus pileatus, 64
Anous tenuirostris minutus, 65
apicalis, *Ptilinopus*, 76
Aplonis atrifusca, 171, pl. 31
Aplonis brunnescens, 173
Aplonis cassini, 173
Aplonis cinerascens, 175, 175, pl. 31
Aplonis fortunae, 174
Aplonis inornata, 175
Aplonis marginalis, 173
Aplonis marginata, 173
Aplonis mavornata, 175, 175, pl. 31
Aplonis tabuensis brevirostris, 172,
 pl. 31
Aplonis tabuensis brunnescens, 173
Aplonis tabuensis fortunae, 174
Aplonis tabuensis manuae, 172, 172
Aplonis tabuensis nesiotis, 174, 174
Aplonis tabuensis rotumae, 174, 174
Aplonis tabuensis tabuensis, 173
Aplonis tabuensis tenebrosus, 173, 173
Aplonis tabuensis tutuilae, 172, 172
Aplonis tabuensis vitiensis, 174
Aplonis vitiensis, 174
 APODIDAE, 101, 106, 107
approximans, *Circus*, 30, 30, pl. 8
 Circus approximans, 30
aquilonis, *Conopodera caffra*, 125,
 125

- Ardea patruelis*, 28
Ardea sacra, 27
 ARDEIDAE, 27, 28
Arenaria interpes interpes, 55
ariel, *Atagen*, 26
 Fregata, 26, pl. 6
arminjoniana, *Pterodroma*, 9, pl. 3
 ARTAMIDAE, 181
Artamus leucorhynchus mentalis, 181
Artamus mentalis, 181
assimilis, *Collocalia francica*, 106
 Collocalia spodiopygia, 106
 Puffinus, 16, 16, pl. 5
 Puffinus assimilis, 16
Aster rufitorques, 30
astrild, *Estrilda*, 167, pl. 30
 Loxia, 167
Atagen ariel, 26
atiu, *Halcyon tuta*, 111, 111
atra, *Muscicapa*, 136
 Porzana, 41, 41, pl. 9
atrifusca, *Aplonis*, 171, pl. 31
 Lamprotornis, 171
atrogularis, *Platycercus*, 96
 Prosopoeia tabuensis, 96, pl. 19
atropurpureus, *Psittacus*, 96
atypha, *Conopoderas*, 125, 125, 126,
 126, pl. 24
 Conopoderas atypha, 125, pl. 24
aurantiiventris, *Pachycephala*, 155
 Pachycephala pectoralis, 155, pl. 28
aureocinctus, *Trichoglossus*, 86
aureus, *Ptilinopus victor*, 82, 82
aurorae, *Carpophaga*, 84
 Ducula, 84, pl. 17
australis, *Psittacus*, 86
 Vini, 86, pl. 18
axillaris, *Pterodroma*, 12, pl. 3
azureocapilla, *Myiagra*, 144, 144, 145,
 145, pl. 27
 Myiagra azureocepilla, 144
badiceps, *Drymochaera*, 129
 Vitia ruficapilla, 129
badius, *Turdus*, f121
bangsi, *Sterna dougallii*, 60, 60
 BARN OWLS, 100, 101
baueri, *Limosa*, 53
 Limosa lapponica, 53
 becki, *Petroica multicolor*, 135, 135
 bella, *Pachycephala pectoralis*, 154,
 154
 belli, *Urodynamis taitensis*, 99
 bengalensis, *Pycnonotus*, 121
 Pycnonotus cafer, 121, pl. 22
 bergi, *Sterna*, 64, pl. 13
 bicinctus, *Charadrius*, 45, 45, pl. 12
 bicolor, *Merula*, 122
 bonapartei, *Ptilinopus*, 76
 BOOBIES, 20, 21
Booby, *Brown*, 20, pl. 6
 Masked, 20, pl. 6
 Red-footed, 21, pl. 6
brevipes, *Procellaria*, 9
 Pterodroma leucoptera, 9
 Totanus, 55
 Tringa incana, 55
brevirostris, *Aplonis tabuensis*, 172,
 pl. 31
 Lamprotornis, 172
Broadbill, Blue-crested, 144, pl. 27
 Samoan, 144, pl. 27
 Vanikoro, 143, pl. 27
brunneirostris, *Amoromyza viridis*,
 166
 Gymnomyza viridis, 166
brunnescens, *Aplonis*, 173
 Aplonis tabuensis, 173
buensis, *Ptilotis procerior*, 165
buensis, *Glytorhynchus vitiensis*, 140
 Myiolestes, 140
Bulbul, Red-vented, 121, pl. 22
 BULBULS, 121
bulweri, *Bulweria*, 12
Bulweria bulweri pacifica, 12
Bulweria bulwerii, 12, pl. 4
Bulweria macgillivrayi, f12
bulwerii, *Bulweria*, 12, pl. 4
 Procellaria, 12
 BUTCHERBIRDS, 182
Butorides striatus diminutus, 28, 28
Butorides striatus patruelis, 28
Cacomantis pyrrhophanus simus, 98,
 pl. 20
 caerulescens, *Zosterops*, 160
 caesarinus, *Ptilinopus*, 73
 cafer, *Pycnonotus*, 121, pl. 22

- caffra*, *Conopoderas*, 123, pl. 24
Conopoderas caffra, 123, pl. 24
Sitta, 123
Calidris acuminata, 58, pl. 11
Calidris alba, 57, pl. 11
Calidris ruficollis, 57, pl. 11
Calliptilus stepheni, 94
Caloenas (Phlegoenas) stairi, 71
 CAMPEPHAGIDAE, 113-115, 120
cancellata, *Prosobonia*, 56, pl. 11
Tringa, 56
candida, *Gygis alba*, 65
Sterna, 65
capense, *Daption*, 3, pl. 2
capensis, *Procellaria*, 3
Tyto, 101, pl. 20
cardinalis, *Myzomela*, 161, pl. 29
carneipes, *Puffinus*, 13, 13, pl. 4
Carpophaga aurorae, 84
Carpophaga latrans, 85
Carpophaga ochropygia, 85
Carpophaga wilkesii, 84
carunculata, *Certhia*, 164
Foulehaio, 164, 165, pl. 29
Foulehaio carunculata, 164, pl. 29
cassini, *Aplonis*, 173
Halcyon, 108
castaneiceps, *Columba*, 67
Columba vitiensis, 67, pl. 17
castaneigularis, *Myiagra*, 145
Myiagra azureocapilla, 145
castaneiventris, *Myiagra*, 143
castaneoptera, *Vitia ruficapilla*, 129, 129
castaneothorax, *Amadina*, 170
Lonchura, 170, pl. 30
Lonchura castaneothorax, 170
caudacuta, *Chaetura*, 107
Hirundo, 107
celada, *Sauropatis sacra*, 109
Certhia carunculata, 164
cerulea, *Procelsterna*, 64, pl. 12
Sterna, 64
Chaetura caudacuta, 107
chalcurus, *Ptilinopus purpuratus*, 79
Ptilonopus, 79
 CHARADRIIDAE, 44, 45
Charadrius bicinctus, 45, 45, pl. 12
Charadrius fulvus, 44
Charadrius mongolus, 45, pl. 12
Charadrius mongolus mongolus, 45
Charmosyna amabilis, 86, pl. 18
chermesina, *Myzomela*, 161, 161, pl. 29
chinensis, *Streptopelia*, 67, pl. 14
chloris, *Halcyon*, 108-110, 108, 109, pl. 21
Chrysoena lutea, 82
Chrysoena victor, 81
Chrysoena viridis, 83
chrysogaster, *Ptilinopus purpuratus*, 78, pl. 15
Ptilonopus, 78
cinerascens, *Aplonis*, 175, 175, pl. 31
cinerea, *Collocalia*, 106
Scolopax, 55
cinereus, *Monarcha*, 139
Poliolimnas, 42, pl. 9
Xenus, 55, pl. 11
Circus approximans, 30, pl. 8
Circus approximans approximans, 30
clementinae, *Ptilopus*, 76
clypeata, *Anas*, 29, 29, pl. 7
Clytorhynchus nigrogularis
nigrogularis, 142, pl. 26
Clytorhynchus vitiensis buensis, 140
Clytorhynchus vitiensis compressirostris, 140
Clytorhynchus vitiensis fortunae, 141
Clytorhynchus vitiensis heinei, 141
Clytorhynchus vitiensis keppeli, 142, 142, pl. 26
Clytorhynchus vitiensis layardi, 140
Clytorhynchus vitiensis nesiotis, 141
Clytorhynchus vitiensis pontifex, 140, 140, pl. 26
Clytorhynchus vitiensis powelli, 141
Clytorhynchus vitiensis vatwana, 140, 140
Clytorhynchus vitiensis vitiensis, 139
Clytorhynchus vitiensis wigglesworthi, 141, 141
coccinea, *Vini*, 87
coccineus, *Psittacus*, 85
Collocalia cinerea, 106
Collocalia francica assimilis, 106

- Collocalia francica townsendi*, 106
Collocalia leucophaea leucophaea, 106,
 pl. 22
Collocalia leucophaea ocista, 107
Collocalia ocista, 107
Collocalia sawtelli, 106
Collocalia spodiopygia assimilis, 106
Collocalia spodiopygia spodiopygia,
 101, pl. 22
Collocalia spodiopygia townsendi, 106
Collocalia thespesia, 106
Colluricincla maculosa, 113
Columba castaneiceps, 67
Columba Du Petithouarsii, 80
Columba eimeensis, 70
Columba erythroptera, 70
Columba felicia, 82
Columba flava, 82
Columba forsteri, 76
Columba globicera, 83
Columba kurukuru var. *taitensis*, 78
Columba leucophrys, 70
Columba livia, 66, 66, pl. 17
Columba luteovirens, 82
Columba oopa, 78
Columba pacifica, 83
Columba porphyracea, 76
Columba purpurata, 78
Columba rubescens, 71
Columba striata, 70
Columba tabuensis, 76
Columba tigrina, 67
Columba viridissima, 76
Columba vitiensis, 66, 66, 67, pl. 17
Columba vitiensis castaneiceps, 67,
 pl. 17
Columba vitiensis vitiensis, 66, pl. 17
 COLUMBIDAE, 66, 67, 70-73, 76-85
compressirostris, *Clytorhynchus*
vitiensis, 140
Myiolestes, 140
Conopoderas atypha, 125
Conopoderas atypha agassizi, 125
Conopoderas atypha atypha, 125,
 pl. 24
Conopoderas atypha crypta, 125
Conopoderas atypha erema, 126, 126
Conopoderas atypha flavida, 126, 126
Conopoderas atypha nesiarcha, 125
Conopoderas atypha niauensis, 126,
 126
Conopoderas atypha palmarum, 126,
 126
Conopoderas atypha rava, 126, 126
Conopoderas caffra aquilonis, 125,
 125
Conopoderas caffra caffra, 123, pl. 24
Conopoderas caffra consobrina, 124,
 124
Conopoderas caffra dido, 124, 124
Conopoderas caffra fatuhivae, 124
Conopoderas caffra idae, 124, 124
Conopoderas caffra longirostris, 123
Conopoderas caffra mendanae, 124
Conopoderas caffra percernis, 123
Conopoderas caffra postrema, 125,
 125
Conopoderas percernis, 123
Conopoderas vaughani kaoko, 128
Conopoderas vaughani kerearako, 128
Conopoderas vaughani rimitarae, 127,
 127
Conopoderas vaughani taiti, 127
Conopoderas vaughani vaughani, 127,
 pl. 24
consobrina, *Conopoderas caffra*, 124,
 124
Conurus anna, 96
Conurus phaeton, 97
Coracias tibicen, 182
Coracopsis personata, 97
coralensis, *Ptilinopus*, 79
Ptilinopus purpuratus, 79
Coriphilus cyanescens, 94
Coriphilus cyaneus, 94
Coriphilus euchlorus, 86
Coriphilus sapphirinus, 94
coronata, *Halcyon*, 110
Coryphilus dryas, 95
Coryphilus goupilii, 95
 CRACTICIDAE, 182
Creadion tabuensis, 164
cristata, *Sterna*, 64
cristatus, *Sterna bergi*, 64
crypta, *Conopoderas atypha*, 125
 Cuckoo, Fan-tailed, 98, pl. 20
 Long-tailed, 99, pl. 20
 CUCKOOS, 98-100

CUCKOO-SHRIKES, 113-115, 120

CUCULIDAE, 98-100

Cuculus fasciatus, 99

Cuculus infuscatus, 98

Cuculus perlatus, 99

Cuculus simus, 98

Cuculus tahitiensis, 99

Cuculus taitensis, 99

cuneicauda, *Eudynamis*, 99

cupidineus, *Ptilinopus perousii*, 73

Curlew, Bristle-thighed, 52, pl. 10

Eastern, 53, pl. 10

cyaneovirens, *Erythrura*, 169, pl. 30

Erythrura cyaneovirens, 169

Geospiza, 169

cyanescens, *Coriphilus*, 94

cyaneus, *Coriphilus*, 94

Psittacus, 94

Cyanoramphus forsteri, 97

Cyanoramphus magnirostris, 97

Cyanoramphus ulietanus, 98, pl. 20

Cyanoramphus zealandicus, 97, pl. 20

Dacelo minima, 107

Dacelo nullitorquis, 110

Dacelo vitiensis, 108

dactylatra, *Sula*, 20, pl. 6

Daption capense, 3, pl. 2

diademata, *Eopsaltria*, 156

dido, *Conopodera caffra*, 124, 124

Didunculus strigirostris, 72, pl. 14

dimidiata, *Monarches*, 135

Pomarea, 135, pl. 25

diminutus, *Butorides striatus*, 28, 28

Diomedea epomophora, 1, 1, pl. 1

Diomedea exulans, 1, 1, pl. 1

Diomedea melanophris, 2, 2, pl. 1

Diomedea palpebrata, 2

DIOMEDEIDAE, 1, 2

dominica, *Pluvialis*, 44, pl. 12

dorotheae, *Phaethon lepturus*, 19, 19

dorsalis, *Myiagra vanikorensis*, 143, 143

Dotterel, Banded, 45, pl. 12

dougallii, *Sterna*, 60, 60, pl. 12

Dove, Crimson-crowned Fruit, 76, pl. 15

Friendly Quail, 71, pl. 14

Golden, 82, pl. 16

Gray-green Fruit, 78, pl. 15

Dove (*continued*)

Many-colored Fruit, 73, pl. 15

Marquesas Ground, 71, pl. 14

Orange, 81, pl. 16

Rapa Island Fruit, 80, pl. 15

Rarotongan Fruit, 77, pl. 15

Red-moustached Fruit, 81, pl. 16

Rock, 66, pl. 17

Society Islands Ground, 70, pl. 14

Spotted, 67, pl. 14

Velvet, 83, pl. 16

White-capped Fruit, 80, pl. 16

Zebra, 70, pl. 14

DOVES, 66, 67, 70-73, 76-85

dryas, *Coryphilus*, 95

Dryomochaera badiceps, 129

Du Petithouarsii, *Columba*, 80

Duck, Gray, 28, pl. 7

DUCKS, 28-30

Ducula aurorae, 84, pl. 17

Ducula galeata, 84, pl. 17

Ducula latrans, 85, pl. 17

Ducula pacifica intensitincta, 83

Ducula pacifica pacifica, 83

dupetithouarsi, *Ptilopus*, 80

dupetithouarsii, *Ptilinopus*, 80, pl. 16

Ptilinopus dupetithouarsii, 80, pl. 16

ecaadata, *Gallirallus philippensis*, 40

Rallus, 40

Egretta sacra sacra, 27

eimeensis, *Columba*, 70

ellisi, *Prosobonia*, 56

Entomiza olivacea, 167

Eopsaltria albifrons, 156

Eopsaltria diademata, 156

Eopsaltria flavifrons, 156

Eopsaltria icteroides, 156

Eopsaltria melanops, 155

epomophora, *Diomedea*, 1, 1, pl. 1

erema, *Conopodera atypha*, 126, 126

erythronota, *Rhipidura*, 152

Rhipidura spilodera, 152

erythronothus, *Psittacus*, 97

erythroptera, *Columba*, 70

Gallicolumba, 70, pl. 14

Erythrura cyaneovirens cyaneovirens, 169

- Erythrura cyaneovirens gaughrani*, 169, 169
Erythrura cyaneovirens pealii, 169
Erythrura kleinschmidti, 170, pl. 30
Erythrura pealii, 169
Erythrura pucherani, 169
Estrilda astrild, 167, pl. 30
 ESTRILDIDAE, 167-171
euchlorus, *Coriphilus*, 86
Eudynamis cuneicauda, 99
Eudynamis taitensis, 99, pl. 20
Eulabeornis philippensis goodsoni, 39
Eulabeornis philippensis sethsmithi, 40
eximia, *Halcyon chloris*, 109, 109
explorator, *Zosterops*, 157, 157, pl. 27
exulans, *Diomedea*, 1, 1, pl. 1
Falco peregrinus nesiotus, 31, 31
 Falcon, Peregrine, 31, pl. 8
 FALCONIDAE, 31
 FALCONS, 31
 Fantail, Kandavu, 145, pl. 26
 Samoan, 152, pl. 26
 Spotted, 152, pl. 26
fasciatus, *Cuculus*, 99
 Ptilinopus, 76
 Ptilinopus porphyraceus, 76
fatuhivae, *Conopoderas caffra*, 124
felicia, *Columba*, 82
 Finch, Chestnut-breasted, 170, pl. 30
 Pink-billed Parrot-, 170, pl. 30
 Red-headed Parrot-, 169, pl. 30
 Strawberry, 168, pl. 30
 FINCHES, GRASS, 167-171
flava, *Columba*, 82
flaviceps, *Zosterops*, 160
 Zosterops lateralis, 160, pl. 27
flavida, *Conopoderas atypha*, 126, 126
flavifrons, *Eopsaltria*, 156
 Pachycephala, 156, pl. 28
flavo-aurita, *Ptilotis*, 164
fluxa, *Pomarea iphis*, 138, 138
 Flycatcher, Allied, 137, pl. 25
 Cinereous, 139, pl. 26
 Large, 138, pl. 25
 Marquesas, 136, pl. 25
 Mayr's, 138, pl. 26
 Rarotonga, 135, pl. 25
 Society Islands, 136, pl. 25
 FLYCATCHERS, OLD WORLD, 121-129, 134-145, 152-156
forsteri, *Columba*, 76
 Cyanorhamphus, 97
 Herse, 101
 Rallus, 40
fortunae, *Aplonis*, 174
 Aplonis tabuensis, 174
 Clytorhynchus vitiensis, 141
 Myiolestes, 141
Foulehaio carunculata carunculata, 164, pl. 29
Foulehaio carunculata procerior, 165
Foulehaio carunculata taviunensis, 165
Foulehaio provocator, 166, pl. 29
 Fowl, Jungle, 38, pl. 8
francica, *Collocalia*, 106
 Zoonava, 106
frater, *Ptilinopus purpuratus*, 78, 78
Fregata ariel, 26, pl. 6
Fregata minor palmerstoni, 26
 FREGATIDAE, 26
Fregetta grallaria grallaria, 17
Fregetta grallaria titan, 17, 17
Fregetta moestissima, 18
Fregetta tropica, 17, pl. 5
 Frigatebird, Greater, 26, pl. 6
 Lesser, 26, pl. 6
 FRIGATEBIRDS, 26
Fringilla amandava, 168
Fringilla temporalis, 168
fringillaceus, *Psittacus*, 86
fulva, *Pluvialis dominica*, 44
fulvus, *Charadrius*, 44
funebis, *Vitia ruficapilla*, 129, 129
furcatus, *Ptilinopus*, 78
fusca, *Lamprotornis*, 173
fusca, *Sterna*, 60, pl. 13
fuscescens, *Rhipidura*, 152
fuscus, *Acridotheres*, 181, pl. 31
 Acridotheres fuscus, 181
 Pastor, 181
 Tatara, 123
futunae, *Lalage masculosa*, 114, 114
galeata, *Ducula*, 84, pl. 17
galeatus, *Serresius*, 84
Gallicolumba erythroptera, 70, pl. 14

- Gallicolumba rubescens*, 71, pl. 14
Gallicolumba stairi samoensis, 71
Gallicolumba stairi stairi, 71, pl. 14
Gallirallus pacificus, 41
Gallirallus philippensis ecaudata, 40
Gallirallus philippensis goodsoni, 39, pl. 9
Gallirallus philippensis sethsmithi, 40
gallus, *Gallus*, 38, pl. 8
Gallus gallus, 38
Phasianus, 38
Gallus gallus gallus, 38
Gallus tahitensis, 38
Gallus tahiticus, 38
gambieranus, *Lanius*, 173
gambieri, *Halcyon*, f112
gaughrani, *Erythrura cyaneovirens*, 169, 169
Geopelia striata, 70, pl. 14
Geospiza cyaneovirens, 169
Geospiza prasina, 169
gertrudae, *Halcyon*, 112, pl. 21
Todirhamphus, 112
gigantea, *Procellaria*, 3
giganteus, *Macronectes*, 3, pl. 2
gigas, *Sturnoides*, 171
globicera, *Columba*, 83
Globicera microcera, 83
Globicera pacifica queenslandica, 83
Gnathodon strigirostris, 72
godeffroyi, *Halcyon*, 112, 112, pl. 21
Godwit, Bar-tailed, 53, pl. 10
goodsoni, *Eulabeornis philippensis*, 39
Gallirallus philippensis, 39, pl. 9
goodwini, *Ptilinopus rarotongensis*, 77, 77
Goshawk, Fiji, 30, pl. 8
goupilii, *Coryphilus*, 95
graeffii, *Pachycephala*, 155
Pachycephala pectoralis, 155
Ptilinopus porphyraceus, 77, 77
grallaria, *Fregetta*, 17, 17, pl. 5
Fregetta grallaria, 17
Procellaria, 17
GRASS FINCHES, 167-171
grisea, *Procellaria*, 12
griseus, *Puffinus*, 12, pl. 4
Ground Dove, Society Islands, 70, pl. 14
Gull, Franklin's, 59, pl. 13
Silver, 59, pl. 13
GULLS, 59-61, 64, 65
Gygis alba candida, 65
Gygis alba microrhyncha, 65
Gygis microrhyncha, 65
Gymnomyza samoensis, 167, pl. 29
Gymnomyza viridis brunneirostris, 166
Gymnomyza viridis viridis, 166, pl. 29
Gymnorhina tibicen, 182, pl. 31
hades, *Turdus poliocephalus*, 123, 123, pl. 23
Halcyon cassini, 108
Halcyon chloris eximia, 109, 109
Halcyon chloris manuae, 109, 109
Halcyon chloris marina, 108, 108
Halcyon chloris pealei, 110, pl. 21
Halcyon chloris regina, 109, 109, pl. 21
Halcyon chloris sacra, 109
Halcyon chloris vitiensis, 108, pl. 21
Halcyon coronata, 110
Halcyon gambieri, f112
Halcyon gertrudae, 112, pl. 21
Halcyon godeffroyi, 112, 112, pl. 21
Halcyon pealei, 110
Halcyon platyrostris, 107
Halcyon recurvirostris, 107, pl. 21
Halcyon ruficollaris, 111
Halcyon superciliosa, 108
Halcyon suvensis, 108
Halcyon tuta atiu, 111, 111
Halcyon tuta mauke, 111, 111
Halcyon tuta ruficollaris, 111
Halcyon tuta tuta, 111, pl. 21
Halcyon tutuilae, 110
Halcyon venerata venerata, 110, pl. 21
Halcyon venerata youngi, 110
Harrier, Swamp, 30, pl. 8
HAWKS, 30, 31
heinei, *Clytorhynchus vitiensis*, 141
Myiolestes, 141
hendersoni, Vini, 94
heraldica, *Aestrelata*, 9
Pterodroma arminjoniana, 9
Heron, Green, 28, pl. 7
Reef, 27, pl. 7

- HERONS, 27, 28
Herse forsteri, 101
 HIRUNDINIDAE, 113
hirundo, *Sterna*, 60, 60, pl. 12
Hirundo caudacuta, 107
Hirundo peruviana, 101
Hirundo subfusca, 113
Hirundo tahitica, 113
Hirundo tahitica subfusca, 113,
 pl. 22
Hirundo tahitica tahitica, 113
hombroni, *Pachycephala*, 156
 Honey-eater, Cardinal, 161, pl. 29
 Giant Forest, 166, pl. 29
 Kandavu, 166, pl. 29
 Orange-breasted, 164, pl. 29
 Rotuma, 161, pl. 29
 Wattled, 164, pl. 29
 HONEY-EATERS, 161, 164-167
huttoni, *Megapodius*, 38
Ptilonopus, 80, 80, pl. 15
 HYDROBATIDAE, 17, 18
hypoleucus, *Rallus*, 40
icteroides, *Eopsaltria*, 156
idae, *Conopoderas caffra*, 124, 124
incana, *Scolopax*, 54
Tringa, 54, 55, pl. 11
Tringa incana, 54
infuscatus, *Cuculus*, 98
inornata, *Aplonis*, 175
insularis, *Ptilinopus purpuratus*, 79,
 pl. 15
Ptilopus, 79
intensitincta, *Ducula pacifica*, 83
intermedia, *Pachycephala*, 154
interpes, *Arenaria*, 55, pl. 11
Arenaria interpes, 55
Tringa, 55
iphis, *Pomarea*, 137, 137, pl. 25
Pomarea iphis, 137
jacquinoti, *Pachycephala*, 155, 155,
 f155, pl. 28
 Jaeger, Parasitic, 59, pl. 10
 Pomarine, 58, pl. 10
jugularis, *Myzomela*, 164, 164, pl. 29
kandavensis, *Myiagra vanikorensis*,
 143, 143
Pachycephala pectoralis, 153
Zosterops caerulescens, 160
kaoko, *Acrocephalus vaughani*, 128
Conopoderas vaughani, 128
keppeli, *Clytorhynchus vitiensis*, 142,
 142, pl. 26
Lalage maculosa, 114, 114
kerearako, *Acrocephalus vaughani*,
 128
Conopoderas vaughani, 128
 Kingfisher, Flat-billed, 107, pl. 21
 Marquesas, 112, pl. 21
 Society Islands, 110, pl. 21
 South Pacific, 111, pl. 21
 Tuamotu, 112, pl. 21
 White-collared, 108, pl. 21
 KINGFISHERS, 107-112
kleinschmidtii, *Amblylura*, 170
Erythrura, 170, pl. 30
Lamprolia, 134
Lamprolia victoriae, 134
Petroica, 135
Petroica multicolor, 135
koroana, *Pachycephala pectoralis*,
 154, 154
koroensis, *Platycercus*, 96
Prosopiea tabuensis, 96, pl. 19
kuhlii, *Psittacula*, 87
Vini, 87, pl. 18
kurukuru, *Columba*, 78
Kurukuru mercierii, 81
Kurukuru nebrouxii, 78
Kurukuru samoensis, 73
Lalage maculosa futunae, 114, 114
Lalage maculosa keppeli, 114, 114
Lalage maculosa maculosa, 113,
 pl. 22
Lalage maculosa mixta, 115, 115
Lalage maculosa nesophila, 115, 115
Lalage maculosa pumila, 120, pl. 22
Lalage maculosa rotumae, 115, pl. 22
Lalage maculosa soror, 120, 120
Lalage maculosa tabuensis, 114, 114
Lalage maculosa vauana, 114, 114
Lalage maculosa whitmeei, 114
Lalage maculosa woodi, 115
Lalage nigra pumila, 120
Lalage nigra rotumae, 115
Lalage nigrogularis, 142
Lalage sharpei, 120
Lalage sharpei sharpei, 120, pl. 22

- Lalage sharpei tenebrosa*, 120, 120
Lalage whitmeei, 114
Lalage woodi, 115
Lamprolia kleinschmidti, 134
Lamprolia minor, 134
Lamprolia victoriae, 134
Lamprolia victoriae kleinschmidti, 134
Lamprolia victoriae victoriae, 134, pl. 24
Lamprotornis atrifusca, 171
Lamprotornis brevirostris, 172
Lamprotornis fusca, 173
Lanius gambieranus, 173
Lanius tabuensis, 173
lapponica, *Limosa*, 53, pl. 10
 LARIDAE, 59-61, 64, 65
Larus Novae-Hollandiae, 59
Larus novaehollandiae, 59, pl. 13
Larus parasiticus, 59
Larus pipixcan, 59, 59, pl. 13
lateralis, *Sylvia*, 160
 Zosterops, 160, 160, pl. 27
 Zosterops lateralis, 160, pl. 27
latrans, *Carpophaga*, 85
 Ducula, 85, pl. 17
lauana, *Pachycephala pectoralis*, 154, 154
layardi, *Clytorhynchus vitiensis*, 140
 Merula, 122
 Ptilinopus, 83, pl. 16
 Ptilopus, 83
 Rhipidura, 152
 Rhipidura spilodera, 152, pl. 26
 Turdus poliocephalus, 122, pl. 23
leptornis, *Philedon*, 167
Leptornis sylvestris, 167
lepturus, *Phaethon*, 19, 19, pl. 6
lessoni, *Mayrornis*, 139, pl. 26
 Mayrornis lessoni, 139, pl. 26
 Psittacus ou Psittacula, 95
 Rhipidura, 139
Lestris pomarinus, 58
leucogaster, *Sula*, 20, pl. 6
 Tringa, 56
leucophaea, *Collocalia*, 106, 107, pl. 22
 Collocalia leucophaea, 106, pl. 22
leucophaeus, *Macropteryx*, 106
leucophrys, *Columba*, 70
leucoptera, *Prosobonia*, 56, pl. 11
 Pterodroma, 9, pl. 3
leucorhoa, *Oceanodroma*, 18, pl. 5
 Procellaria, 18
leucorhynchus, *Artamus*, 181, pl. 31
lherminieri, *Puffinus*, 16, 16, pl. 5
Limosa baueri, 53
Limosa lapponica baueri, 53
lineata, *Thalassidroma*, 17
livia, *Columba*, 66, 66, pl. 17
Lobiospiza notabilis, 169
Lonchura castaneothorax
 castaneothorax, 170
longirostris, *Conopoderas caffra*, 123
 Turdus, 123
 Lorikeet, Henderson Island, 94, pl. 18
 Marquesas, 95, pl. 18
 Pacific, 94, pl. 18
 Red-throated, 86, pl. 18
 Rimatarara, 87, pl. 18
Lorius vini, 94
 Lory, Blue-crowned, 86, pl. 18
 Collared, 85, pl. 18
Loxia astrild, 167
Loxia oryzivora, 171
lulu, *Strix*, 100
 Tyto alba, 100, pl. 20
lunata, *Sterna*, 61, 61, pl. 13
lutea, *Chrysoena*, 82
 Muscicapa, 136
luteovirens, *Columba*, 82
 Ptilinopus, 82, pl. 16
macgillivrayi, *Bulweria*, f12
Macronectes giganteus, 3, pl. 2
Macropteryx leucophaeus, 106
Macropteryx spodiopygius, 101
macrorhyncha, *Pachycephala*, 140
maculosa, *Colluricincla*, 113
 Lalage, 113, 114, 114, 115, 115, 120, pl. 22
 Lalage maculosa, 113, pl. 22
madagascariensis, *Numenius*, 53, pl. 10
 Scolopax, 53
magnirostris, *Cyanoramphus*, 97
 Magpie, Black-backed, 182, pl. 31
 MANNIKINS, 167-171

- manuae, Aplonis tabuensis*, 172, 172
Halcyon chloris, 109, 109
Mao, 167, pl. 29
marginalis, Aplonis, 173
marginata, Aplonis, 173
mariae, Ptilinopus perousii, 73, pl. 15
Ptilinopus, 73
marina, Halcyon chloris, 108, 108
mauke, Halcyon tuta, 111, 111
maupitiensis, Muscicapa, 136
mavornata, Aplonis, 175, 175, pl. 31
maxima, Myiolestes, 142
Mayornis lessoni lessoni, 139, pl. 26
Mayornis lessoni orientalis, 139, 139
Mayornis versicolor, 138, 138, pl. 26
Megapode, Niuafu'ou, 38, pl. 8
MEGAPODES, 38
MEGAPODIIDAE, 38
Megapodius huttoni, 38
Megapodius pritchardii, 38, 38, pl. 8
melanophris, Diomedea, 2, 2, pl. 1
melanops, Eopsaltria, 155
Pachycephala, f155
melanorhynchos, Phaethon
rubricauda, 19
Phaeton, 19
MELIPHAGIDAE, 161, 164-167
mendanae, Acrocephalus, 124
Conopodera caffra, 124
mendozae, Monarcha, 136
Pomarea, 136, 136, 137, 137,
pl. 25
Pomarea mendozae, 136
mentalis, Artamus, 181
Artamus leucorhynchus, 181
mercierii, Kurukuru, 81
Ptilinopus, 81, pl. 16
Ptilinopus mercierii, 81
Merops samoensis, 167
Merula bicolor, 122
Merula layardi, 122
Merula ruficeps, 122
Merula vanuensis, 122
Merula vitiensis, 122
mesonauta, Phaethon aethereus, 18,
18
microcera, Globicera, 83
microrhyncha, Gygis, 65
Gygis alba, 65
minima, Dacelo, 107
minor, Fregata, 26, pl. 6
Lamprolia, 134
minutus, Anous, 65
Anous tenuirostris, 65
mira, Pomarea mendozae, 137, 137
mixta, Lalage maculosa, 115, 115
moetissima, Fregetta, 18
Monarcha cinereus, 139
Monarcha mendozae, 136
Monarches dimidiata, 135
mongolus, Charadrius, 45, 45, pl. 12
Charadrius mongolus, 45
motanensis, Pomarea mendozae,
136, 136
mugga, Zosterops lateralis, 160
multicolor, Petroica, 134, 134, 135,
135, pl. 24
murrayi, Porzana, 41
Muscicapa atra, 136
Muscicapa lutea, 136
Muscicapa maupitiensis, 136
Muscicapa nigra, 136
Muscicapa pomarea, 136
MUSCICAPIDAE, 121-129, 134-145,
152-156
musicus, Philemon, 164
Myiagra albibentris, 144, pl. 27
Myiagra azureocapilla, 144
Myiagra azureocapilla azureocepilla,
144
Myiagra azureocapilla castaneigularis,
145
Myiagra azureocapilla whitneyi, 145,
145, pl. 27
Myiagra castaneigularis, 145
Myiagra castaneiventris, 143
Myiagra rufiventris, 143
Myiagra townsendi, 143
Myiagra vanikorensis dorsalis, 143,
143
Myiagra vanikorensis kandavensis,
143, 143
Myiagra vanikorensis rufiventris,
143, pl. 27
Myiagra vanikorensis townsendi, 143
Myiolestes buensis, 140
Myiolestes compressirostris, 140
Myiolestes fortunaee, 141

- Myiolestes heinei*, 141
Myiolestes maxima, 142
Myiolestes vitiensis, 139
Myna, Common, 180, pl. 31
 Jungle, 181, pl. 31
Myzomela cardinalis nigriventris,
 161, pl. 29
Myzomela chermesina, 161, 161,
 pl. 29
Myzomela jugularis, 164, 164,
 pl. 29
Myzomela nigriventris, 161
Myzomela rubro-cucullata, 161
Myzomela solitaria, 164
nativitatis, *Nectris*, 16
 Puffinus, 16, 16, pl. 4
nebrouxii, *Kurukuru*, 78
nebulosa, *Rhipidura*, 152, 152, 153,
 153, pl. 26
 Rhipidura nebulosa, 152, pl. 26
Nectris nativitatis, 16
neglecta, *Pachycephala*, 155
 Procellaria, 8
 Pterodroma, 8, pl. 3
nesiarcha, *Conopoderas atypha*, 125
nesiotes, *Aplonis tabuensis*, 174, 174
 Clytorhynchus vitiensis, 141
 Falco peregrinus, 31, 31
 Pinarolestes, 141
Nesociopeus poecilopterus, 39, pl. 9
Nesofregetta albigularis, 18, pl. 5
nesophila, *Lalage maculosa*, 115, 115
niauensis, *Conopoderas atypha*, 126,
 126
nigra, *Lalage*, 115, 120
 Muscicapa, 136
 Pomarea, 136, 136, pl. 25
nigripennis, *Aestrelata*, 12
 Pterodroma axillaris, 12
nigriventris, *Myzomela*, 161
 Myzomela cardinalis, 161, pl. 29
nigrogularis, *Clytorhynchus*, 142,
 pl. 26
 Clytorhynchus nigrogularis, 142,
 pl. 26
 Lalage, 142
Noddy, Black, 65, pl. 13
 Blue-gray, 64, pl. 12
 Brown, 64, pl. 13
notabilis, *Lobiospiza*, 169
Novae-Hollandiae, *Larus*, 59
novae-hollandiae, *Larus*, 50, pl. 13
nukuhivae, *Pomarea mendozae*, 137,
 137
nullitorquis, *Dacelo*, 110
Numenius madagascariensis, 53,
 pl. 10
Numenius phaeopus variegatus, 52
Numenius tahitiensis, 52, pl. 10
oahuensis, *Tringa*, 55
oberholseri, *Zoonava francica*, 106
Oceanodroma leucorhoa, 18, pl. 5
ochropygia, *Carpophaga*, 85
ocista, *Collocalia*, 107
 Collocalia leucophaea, 107
Oestrelata wortheni, 8
OLD WORLD FLYCATCHERS,
 121-129, 134-145, 152-156
OLD WORLD WARBLERS, 121-129,
 134-145, 152-156
olivacea, *Entomiza*, 167
oopa, *Columba*, 78
optata, *Pachycephala*, 154
 Pachycephala pectoralis, 154
orientalis, *Mayrornis lessoni*, 139,
 139
oryzivora, *Loxia*, 171
 Padda, 171, pl. 30
oustaleti, *Strix*, 101
Owl, Barn, 100, pl. 20
 Grass, 101, pl. 20
OWLS, BARN, 100, 101
Pachycephala aurantiiventris, 155
Pachycephala flavifrons, 156,
 pl. 28
Pachycephala graeffii, 155
Pachycephala hombroni, 156
Pachycephala intermedia, 154
Pachycephala jacquiniti, 155, 155,
 f155, pl. 28
Pachycephala macrorhyncha, 140
Pachycephala melanops, f155
Pachycephala neglecta, 155
Pachycephala optata, 154
Pachycephala pectoralis ambigua,
 154, 154
Pachycephala pectoralis
 aurantiiventris, 155, pl. 28

- Pachycephala pectoralis bella*, 154,
154
Pachycephala pectoralis graeffii, 155
Pachycephala pectoralis kandavensis,
153
Pachycephala pectoralis koroana,
154, 154
Pachycephala pectoralis lauana, 154,
154
Pachycephala pectoralis optata, 154
Pachycephala pectoralis torquata,
154, pl. 28
Pachycephala pectoralis vitiensis,
153, pl. 28
Pachycephala torquata, 154
Pachycephala vitiensis, 153
pacifica, *Bulweria bulweri*, 12
Columba, 83
Ducula, 83, 83, pl. 17
Ducula pacifica, 83
Globicera, 83
Procellaria, 13
pacificus, *Gallirallus*, 41
Pareudiastes, 43, 43, pl. 9
Puffinus, 13, 13, pl. 4
Puffinus pacificus, 13
Rallus, 41
Padda oryzivora, 171, pl. 30
palmarum, *Conopoderas atypha*, 126,
126
palmerstoni, *Fregata minor*, 26
Pelecanus, 26
palpebrata, *Diomedea*, 2
Phoebetria, 2, pl. 1
Paradisea tristis, 180
Parakeet, Black-fronted, 97, pl. 20
Society, 98, pl. 20
parasiticus, *Larus*, 59
Stercorarius, 59, pl. 10
Pareudiastes pacificus, 43, 43, pl. 9
Parrot, Red-breasted Musk, 96, pl. 19
Yellow-breasted Musk, 97, pl. 19
Parrot-finch, Pink-billed, 170, pl. 30
Red-headed, 169, pl. 30
PARROTS, 85-87, 94-97
parvirostris, *Procellaria*, 8
Tringa, 56
Pastor fuscus, 181
patruelis, *Ardea*, 28
Butorides striatus, 28
pealei, *Halcyon*, 110
Halcyon chloris, 110, pl. 21
pealii, *Erythrura*, 169
Erythrura cyaneovirens, 169
pectoralis, *Pachycephala*, 153, 154,
154, 155, pl. 28
Peristera, 70
Pelecanus palmerstoni, 26
Pelecanus plotus, 20
pelewensis, *Anas superciliosa*, 28, 28
percnis, *Conopoderas*, 123
Conopoderas caffra, 123
peregrinus, *Falco*, 31, 31, pl. 8
Peristera pectoralis, 70
perlatus, *Cuculus*, 99
perousii, *Ptilinopus*, 73, 73, pl. 15
Ptilinopus perousii, 73
personata, *Coracopsis*, 97
Prosopeia, 97, pl. 19
Rhipidura, 145, 145, pl. 26
Sula, 20
Sula dactylatra, 20
peruviana, *Hirundo*, 101
Vini, 94, pl. 18
peruvianus, *Psittacus*, 94
Petrel, Black-winged, 12, pl. 3
Bulwer's, 12, pl. 4
Collared, 9, pl. 3
Giant, 3, pl. 2
Herald, 9, pl. 3
Kermadec, 8, pl. 3
Murphy's, 8, pl. 2
Phoenix, 8, pl. 2
Pintado, 3, pl. 2
Tahiti, 3, pl. 2
PETRELS, 3, 8, 9, 12, 13, 16
Petroica kleinschmidti, 135
Petroica multicolor becki, 135, 135
Petroica multicolor kleinschmidti,
135
Petroica multicolor pusilla, 134,
pl. 24
Petroica pusilla, 134
phaeopus, *Numenius*, 52, pl. 10
Phaethon aethereus mesonauta, 18,
18

- Phaethon lepturus dorotheae*, 19, 19
Phaethon rubricauda melanorhynchos, 19
 PHAETHONTIDAE, 18-20
phaeton, *Conurus*, 97
Phaeton melanorhynchos, 19
 PHASIANIDAE, 38, 39
Phasianus gallus, 38
 PHEASANTS, 38, 39
pheletes, *Urodynamis taitensis*, 99
phigy, *Psittacus*, 85
Phigys solitarius, 85, pl. 18
Philedon leptornis, 167
Philemon musicus, 164
philippensis, *Eulabeornis*, 39, 40
 Gallirallus, 39, 40, pl. 9
Phlegoenas samoensis, 71
Phlegoenas vitiensis, 71
Phlogoenas albicollis, 70
Phoebetria palpebrata, 2, pl. 1
pictiventris, *Ptilopus*, 76
 Pigeon, Cape, 3, pl. 2
 Marquesas, 84, pl. 17
 Pacific, 83, pl. 17
 Peale's, 85, pl. 17
 Society Islands, 84, pl. 17
 Tooth-billed, 72, pl. 14
 White-throated, 66, pl. 17
 PIGEONS, 66, 67, 70-73, 76-85
pileata, *Sterna*, 64
pileatus, *Anous stolidus*, 64
Pinarolestes nesiotes, 141
Pinarolestes powelli, 141
 Pintail, Northern, 29, pl. 7
pipilans, *Psittacus*, 86
pipixcan, *Larus*, 59, 59, pl. 13
Platycercus atrogularis, 96
Platycercus koroensis, 96
Platycercus splendens, 96
Platycercus taviunensis, 96
Platyrhynchus albiventris, 144
platyrostris, *Halcyon*, 107
plotus, *Pelecanus*, 20
 Sula leucogaster, 20
 Plover, Mongolian, 45, pl. 12
 Pacific Golden, 44, pl. 12
 PLOVERS, 44, 45
Pluvialis dominica fulva, 44
poeciloptera, *Rallina*, 39
poecilopterus, *Nesociopeus*, 39, pl. 9
poliocephalus, *Turdus*, 121-123, pl. 23
Poliolimnas cinereus tannensis, 42
polynesiae, *Puffinus lherminieri*, 16, 16
pomarea, *Muscicapa*, 136
Pomarea dimidiata, 135, pl. 25
Pomarea iphis, 137, 137, pl. 25
Pomarea iphis fluxa, 138, 138
Pomarea iphis iphis, 137
Pomarea mendozae mendozae, 136
Pomarea mendozae mira, 137, 137
Pomarea mendozae motanensis, 136, 136
Pomarea mendozae nukuhivae, 137, 137
Pomarea nigra, 136, pl. 25
Pomarea nigra tuabuensis, 136
Pomarea whitneyi, 138, 138, pl. 25
pomarinus, *Lestris*, 58
 Stercorarius, 58, pl. 10
pontifex, *Clytorhynchus vitiensis*, 140, 140, pl. 26
porphyracea, *Columba*, 76
porphyraceus, *Ptilinopus*, 76, 77, 77, pl. 15
 Ptilinopus porphyraceus, 76, pl. 15
porphyreocephalus, *Psittacus*, 86
porphyrio, *Porphyrio*, 43, pl. 9
 Psittacus, 94
Porphyrio porphyrio samoensis, 43, pl. 9
Porphyrio porphyrio vitiensis, 43
Porphyrio samoensis, 43
Porphyrio vitiensis, 43
Porzana atra, 41, 41, pl. 9
Porzana murrayi, 41
Porzana tabuensis tabuensis, 41
Porzana vitiensis, 41
postrema, *Conopodera caffa*, 125, 125
powelli, *Clytorhynchus vitiensis*, 141
 Pinarolestes, 141
prasina, *Geospiza*, 169

- pritchardii*, *Megapodius*, 38, 38,
 pl. 8
Procellaria alba, 8
Procellaria albigularis, 18
Procellaria brevipes, 9
Procellaria bulwerii, 12
Procellaria capensis, 3
Procellaria gigantea, 3
Procellaria grallaria, 17
Procellaria grisea, 12
Procellaria leucorhoa, 18
Procellaria neglecta, 8
Procellaria pacifica, 13
Procellaria parvirostris, 8
Procellaria rostrata, 3
Procellaria tenuirostris, 13
 PROCELLARIIDAE, 3, 8, 9, 12, 13, 16
Procelsterna cerulea, 64, pl. 12
procerior, *Foulehaio carunculata*,
 165
 Ptilotis, 165
Prosobonia cancellata, 56, pl. 11
Prosobonia ellisi, 56
Prosobonia leucoptera, 56, pl. 11
Prosopoeia personata, 97, pl. 19
Prosopoeia tabuensis atrogularis,
 96, pl. 19
Prosopoeia tabuensis koroensis, 96,
 pl. 19
Prosopoeia tabuensis splendens, 96,
 pl. 19
Prosopoeia tabuensis tabuensis, 96,
 pl. 19
Prosopoeia tabuensis taviunensis, 96,
 pl. 19
provocator, *Foulehaio*, 166, pl. 29
 Ptilotis, 166
 PSITTACIDAE, 85-87, 94-97
Psittacula kuhlii, 87
Psittacus smaragdinus, 95
Psittacus atropurpureus, 96
Psittacus australis, 86
Psittacus coccineus, 85
Psittacus cyaneus, 94
Psittacus erythronothus, 97
Psittacus fringillaceus, 86
Psittacus ou Psittacula lessoni, 95
Psittacus peruvianus, 94
Psittacus phigy, 85
Psittacus pipilans, 86
Psittacus porphyreocephalus, 86
Psittacus porphyrio, 94
Psittacus solitarius, 85
Psittacus sparmanni, 94
Psittacus tabuensis, 96
Psittacus taitianus, 94
Psittacus ulietanus, 98
Psittacus ultramarinus, 95
Psittacus vaillanti, 85
Psittacus varius, 94
Psittacus zealandicus, 97
Pterodroma alba, 8, pl. 2
Pterodroma arminjoniana
 heraldica, 9
Pterodroma axillaris nigripennis, 12
Pterodroma leucoptera brevipes, 9
Pterodroma neglecta, 8, pl. 3
Pterodroma rostrata rostrata, 3
Pterodroma ultima, 8, 8, pl. 2
Ptilinopus apicalis, 76
Ptilinopus bonapartei, 76
Ptilinopus caesarinus, 73
Ptilinopus coralensis, 79
Ptilinopus dupetithouarsii
 dupetithouarsii, 80, pl. 16
Ptilinopus dupetithouarsii viridior, 80
Ptilinopus fasciatus, 76
Ptilinopus furcatus, 78
Ptilinopus huttoni, 80, 80, pl. 15
Ptilinopus layardi, 83, pl. 16
Ptilinopus luteovirens, 82, pl. 16
Ptilinopus mercierii mercierii, 81
Ptilinopus mercierii tristrami, 81,
 pl. 16
Ptilinopus perousii, 73, 73, pl. 15
Ptilinopus perousii cupidineus, 73
Ptilinopus perousii mariae, 73,
 pl. 15
Ptilinopus perousii perousii, 73
Ptilinopus porphyraceus fasciatus, 76
Ptilinopus porphyraceus graeffei, 77,
 77
Ptilinopus porphyraceus porphyraceus,
 76, pl. 15
Ptilinopus purpuratus chalcurus, 79
Ptilinopus purpuratus chrysogaster,
 78, pl. 15
Ptilinopus purpuratus coralensis, 79

- Ptilinopus purpuratus frater*, 78, 78
Ptilinopus purpuratus insularis, 79,
 pl. 15
Ptilinopus purpuratus purpuratus, 78,
 pl. 15
Ptilinopus rarotongensis, 77
Ptilinopus rarotongensis goodwini, 77,
 77
Ptilinopus rarotongensis
 rarotongensis, 77, pl. 15
Ptilinopus victor aureus, 82, 82
Ptilinopus victor victor, 81, pl. 16
Ptilonopus chalcurus, 79
Ptilonopus chrysogaster, 78
Ptilonopus whitmeei, 76
Ptilopus clementinae, 76
Ptilopus dupetithouarsi viridior, 80
Ptilopus insularis, 79
Ptilopus layardi, 83
Ptilopus pictiventris, 76
Ptilopus smithsonianus, 79
Ptilopus tristrami, 81
Ptilotis flavo-aurita, 164
Ptilotis procerior, 165
Ptilotis procerior buaensis, 165
Ptilotis procerior taviunensis, 165
Ptilotis provocator, 166
Ptilotis similis, 165
Ptilotis xanthophrys, 166
Ptinilopus [sic] *mariae*, 73
pucherani, *Erythrura*, 169
Puffinus assimilis, 16, pl. 5
Puffinus assimilis assimilis, 16
Puffinus carneipes, 13, 13, pl. 4
Puffinus griseus, 12, pl. 4
Puffinus lherminieri polynesiae, 16,
 16
Puffinus nativitatis, 16, 16, pl. 4
Puffinus pacificus pacificus, 13
Puffinus pacificus whitneyi, 13
Puffinus tenuirostris, 13, pl. 4
pumila, *Lalage maculosa*, 120, pl. 22
 Lalage nigra, 120
purpurata, *Columba*, 78
purpuratus, *Ptilinopus*, 78, 78, 79,
 79, pl. 15
 Ptilinopus purpuratus, 78, pl. 15
pusilla, *Petroica*, 134
pusilla (continued)
 Petroica multicolor, 134, 134,
 pl. 24
 PYCNONOTIDAE, 121
Pycnonotus bengalensis, 121
Pycnonotus cafer bengalensis, 121,
 pl. 22
pyrrhophanus, *Cacomantis*, 98,
 pl. 20
queenslandica, *Globicera pacifica*, 83
rabulata, *Sauropatis sacra*, 109
 Rail, Banded, 39, pl. 9
 Barred-Wing, 39, pl. 9
 Henderson Island, 41, pl. 9
 Samoan Wood, 43, pl. 9
 Sooty, 41, pl. 9
 Tahiti, 41
 White-Browed, 42, pl. 9
 RAILS, 39-44
 RALLIDAE, 39-44
Rallina poecilopectera, 39
Rallus ecaudata, 40
Rallus forsteri, 40
Rallus hypoleucus, 40
Rallus pacificus, 41
Rallus tabuensis, 41
Rallus tahitiensis, 41
Rallus tannensis, 42
rarotongensis, *Ptilinopus*, 77, 77,
 pl. 15
 Ptilinopus rarotongensis, 77,
 pl. 15
rava, *Conopoderas atypha*, 126, 126
recurvirostris, *Halcyon*, 107, pl. 21
 Todiramphus, 107
 Reed-warbler, Pitcairn Island, 127,
 pl. 24
regina, *Halcyon chloris*, 109, 109,
 pl. 21
Rhipidura albicollis, 152
Rhipidura albogularis, 152
Rhipidura erythronota, 152
Rhipidura fuscescens, 152
Rhipidura layardi, 152
Rhipidura lessoni, 139
Rhipidura nebulosa, 152
Rhipidura nebulosa altera, 153,
 153

- Rhipidura nebulosa nebulosa*, 152,
 pl. 26
Rhipidura personata, 145, 145,
 pl. 26
Rhipidura rufilateralis, 152
Rhipidura spilodera erythronota, 152
Rhipidura spilodera layardi, 152,
 pl. 26
Rhipidura spilodera rufilateralis, 152
rimitarae, *Conopoderas vauhani*,
 127, 127
 Robin, Scarlet, 134, pl. 24
rostrata, *Procellaria*, 3
 Pterodroma, 3, pl. 2
 Pterodroma rostrata, 3
rotumae, *Aplonis tabuensis*, 174,
 174
 Lalage maculosa, 115, pl. 22
 Lalage nigra, 115
rubescens, *Columba*, 71
 Gallicolumba, 71, pl. 14
rubricauda, *Phaethon*, 19, pl. 6
rubripes, *Sula*, 21
 Sula sula, 21
rubro-cucullata, *Myzomela*, 161
rufa, *Trichocichla*, 128, 128, pl. 24
ruficapilla, *Vitia*, 129, 129, pl. 24
 Vitia ruficapilla, 129, pl. 24
ruficeps, *Merula*, 122
 Turdus poliocephalus, 122,
 pl. 23
ruficollaris, *Halcyon*, 111
 Halcyon tuta, 111
ruficollis, *Calidris*, 57, pl. 11
 Trynga, 57
rufilateralis, *Rhipidura*, 152
 Rhipidura spilodera, 152
rufitorques, *Accipiter*, 30, pl. 8
 Aster, 30
rufiventris, *Myiagra*, 143
 Myiagra vanikorensis, 143, pl. 27
sacra, *Alcedo*, 109
 Ardea, 27
 Egretta, 27, pl. 7
 Egretta sacra, 27
 Halcyon chloris, 109
 Sauropatis, 109
samoensis, *Gallicolumba stairi*, 71
 Gymnomyza, 167, pl. 29
samoensis (continued)
 Kurukuru, 73
 Merops, 167
 Phlegoenas, 71
 Porphyrio, 43
 Porphyrio porphyrio, 43, pl. 9
 Turdus, 122
 Turdus poliocephalus, 122, pl. 23
 Zosterops, 157, 157, pl. 27
 Sanderling, 57, pl. 11
 Sandpiper, Sharp-tailed, 58, pl. 11
 Tahitian, 56, pl. 11
 Terek, 55, pl. 11
 Tuamotu, 56, pl. 11
 SANDPIPERS, 52-58
sapphirinus, *Coriphilus*, 94
Sauropatis sacra celada, 109
Sauropatis sacra rabulata, 109
sawtelli, *Collocalia*, 106
 Scarlet Robin, 134, pl. 24
 SCOLOPACIDAE, 52-58
Scolopax cinerea, 55
Scolopax incana, 54
Scolopax madagascariensis, 53
Scolopax tahitiensis, 52
serrata, *Sterna*, 60
 Sterna fuscata, 60
Serresius galeatus, 84
sethsmithi, *Eulabeornis philippensis*,
 40
 Gallirallus philippensis, 40
sharpei, *Lalage*, 120, 120, pl. 22
 Lalage sharpei, 120, pl. 22
 Shearwater, Audubon's, 16, pl. 5
 Christmas, 16, pl. 4
 Little, 16, pl. 5
 Pale-footed, 13, pl. 4
 Slender-billed, 13, pl. 4
 Sooty, 12, pl. 4
 Wedge-tailed, 13, pl. 4
 Shoveler, Northern, 29, pl. 7
 Shrikebill, Fiji, 139, pl. 26
 Shrike-thrush, Black-throated, 142,
 pl. 26
 Silktail, 134, pl. 24
similis, *Ptilotis*, 165
simus, *Cacomantis pyrrhophanus*,
 98, pl. 20
 Cuculus, 98

- Sitta caffra*, 123
 SKUAS, 58, 59
smaragdinus, *Psittaculus*, 95
smithsonianus, *Ptilopus*, 79
solitaria, *Myzomela*, 164
solitarius, *Phigys*, 85, pl. 18
 Psittacus, 85
soror, *Lalage maculosa*, 120, 120
sparmanni, *Psittacus*, 94
 Sparrow, Java, 171, pl. 30
spilodera, *Rhipidura*, 152, pl. 26
splendens, *Platycercus*, 96
 Prosopeia tabuensis, 96, pl. 19
spodiopygia, *Collocalia*, 101, 106,
 pl. 22
 Collocalia spodiopygia, 101,
 pl. 22
spodiopygius, *Macropteryx*, 101
stairi, *Caloenas* (*Phlegoenas*), 71
 Gallicolumba, 71, pl. 14
 Gallicolumba stairi, 71, pl. 14
 Starling, European, 180, pl. 31
 Mysterious, 175, pl. 31
 Polynesian, 172, pl. 31
 Rarotonga, 175, pl. 31
 Samoan, 171, pl. 31
 STARLINGS, 171-175, 180, 181
stephensi, *Calliptilus*, 94
 Vini, 94, pl. 18
 STERCORARIIDAE, 58, 59
Stercorarius parasiticus, 59, pl. 10
Stercorarius pomarinus, 58, pl. 10
Sterna anaethetus, 61, 61, pl. 13
Sterna anaethetus anaethetus, 61
Sterna bergi cristatus, 64
Sterna candida, 65
Sterna cerulea, 64
Sterna cristata, 64
Sterna dougallii bangsi, 60, 60
Sterna fuscata serrata, 60
Sterna hirundo, 60, 60, pl. 12
Sterna lunata, 61, 61, pl. 13
Sterna pileata, 64
Sterna serrata, 60
Sterna sumatrana, 61, 61, pl. 12
Sterna sumatrana sumatrana, 61
 Stint, Little, 57, pl. 11
stolidus, *Anous*, 64, pl. 13
 Storm-petrel, Black-bellied, 17, pl. 5
 Storm-petrel (*continued*)
 Leach's, 18, pl. 5
 White-bellied, 17, pl. 5
 White-throated, 18, pl. 5
 STORM-PETRELS, 17, 18
Streptopelia chinensis tigrina, 67,
 pl. 14
striata, *Columba*, 70
 Geopelia, 70, pl. 14
striatus, *Butorides*, 28, 28, pl. 7
strigirostris, *Didunculus*, 72, pl. 14
 Gnathodon, 72
Strix lulu, 100
Strix oustaleti, 101
Strix walleri, 101
 STURNIDAE, 171-175, 180, 181
Sturnoides gigas, 171
Sturnus vulgaris, 180, 180, pl. 31
subfusca, *Hirundo*, 113
 Hirundo tahitica, 113, pl. 22
sula, *Sula*, 21, pl. 6
Sula dactylatra personata, 20
Sula leucogaster plotus, 20
Sula personata, 20
Sula rubripes, 21
Sula sula rubripes, 21
 SULIDAE, 20, 21
sumatrana, *Sterna*, 61, 61, pl. 12
 Sterna sumatrana, 61
superciliosa, *Anas*, 28, 28, pl. 7
 Halcyon, 108
suensis, *Halcyon*, 108
 Swallow, Pacific, 113, pl. 22
 SWALLOWS, 113
 WOOD-, 181
 Swampphen, Purple, 43, pl. 9
 Swift, Spine-tailed, 107
 Swiftlet, Tahiti, 106, pl. 22
 White-rumped, 101, pl. 22
 SWIFTS, 101, 106, 107
sylvestris, *Leptornis*, 167
Sylvia lateralis, 160
tabuensis, *Aplonis*, 172, pl. 31
 Aplonis tabuensis, 173
 Columba, 76
 Creadion, 164
 Lalage maculosa, 114, 114
 Lanius, 173
 Pomarea nigra, 136

- tabuensis* (continued)
Porzana, 41, pl. 9
Porzana tabuensis, 41
Prosopelia, 96, pl. 19
Prosopelia tabuensis, 96, pl. 19
Psittacus, 96
Rallus, 41
tahitensis, *Gallus*, 38
tahitica, *Hirundo*, 113, 113, pl. 22
Hirundo tahitica, 113
tahiticus, *Gallus*, 38
tahitiensis, *Numenius*, 52, pl. 10
Rallus, 41
Scolopax, 52
tahitiu, *Cuculus*, 99
taitensis, *Cuculus*, 99
Eudynamis, 99, pl. 20
Urodynamis, 99
taiti, *Acrocephalus*, 127
Conopoderas vauhani, 127
taitianus, *Psittacus*, 94
tannensis, *Poliolimnas cinereus*, 42
Rallus, 42
Tantalus variegatus, 52
Tatare fuscus, 123
Tatare vauhani, 127
Tatare viridis, 166
Tattler, *Wandering*, 54, pl. 11
taviunensis, *Foulehaio carunculata*, 165
Platycercus, 96
Prosopelia tabuensis, 96, pl. 19
Ptilotis procerior, 165
tempesti, *Turdus*, 122
Turdus poliocephalus, 122, pl. 23
temporalis, *Aegintha*, 168, pl. 30
Aegintha temporalis, 168
Fringilla, 168
tenebrosa, *Lalage sharpei*, 120, 120
tenebrosus, *Aplonis tabuensis*, 173, 173
tenuirostris, *Anous*, 65, pl. 13
Procellaria, 13
Puffinus, 13, pl. 4
Tern, Black-naped, 61, pl. 12
Bridled, 61, pl. 13
Common, 60, pl. 12
Tern (continued)
Crested, 64, pl. 13
Gray-backed, 61, pl. 13
Roseate, 60, pl. 12
Sooty, 60, pl. 13
White, 65, pl. 12
TERNs, 59-61, 64, 65
Thalassidroma lineata, 17
Thalassidroma tropica, 17
thespesia, *Collocalia*, 106
Thrush, Island, 121, pl. 23
THRUSHES, 121-129, 134-145, 152-156
tibicen, *Coracias*, 182
Gymnorhina, 182, pl. 31
tigrina, *Columba*, 67
Streptopelia chinensis, 67, pl. 14
titan, *Fregetta grallaria*, 17, 17
Todiramphus recurvirostris, 107
Todirhamphus gertrudae, 112
Todirhamphus wigglesworthi, 111
Todirhamphus youngi, 110
torquata, *Pachycephala*, 154
Pachycephala pectoralis, 154, pl. 28
Totanus acuminatus, 58
Totanus brevipes, 55
townsendi, *Collocalia francica*, 106
Collocalia spodiopygia, 106
Myiagra, 143
Myiagra vanikorensis, 143
Trichocichla rufa, 128, 128, pl. 24
Trichoglossus aureocinctus, 86
Trichoglossus (*Glossopsitta*)
amabilis, 86
Triller, Polynesian, 113, pl. 22
Samoa, 120, pl. 22
Tringa cancellata, 56
Tringa incana brevipes, 55
Tringa incana incana, 54
Tringa interpes, 55
Tringa leucoptera, 56
Tringa oahuensis, 55
Tringa parvirostris, 56
tristis, *Acridotheres*, 180, pl. 31
Acridotheres tristis, 180
tristis, *Paradisea*, 180

- tristrami*, *Ptilinopus mercierii*, 81,
 pl. 16
Ptilopus, 81
tropica, *Fregetta*, 17, pl. 5
Thalassidroma, 17
Tropicbird, Red-billed, 18, pl. 6
 Red-tailed, 19, pl. 6
 White-tailed, 19, pl. 6
TROPICBIRDS, 18-20
Trynga alba, 57
Trynga ruficollis, 57
Turdus badius, f121
Turdus longirostris, 123
Turdus poliocephalus, 121-123,
 pl. 23
Turdus poliocephalus hades, 123,
 123, pl. 23
Turdus poliocephalus layardi, 122,
 pl. 23
Turdus poliocephalus ruficeps, 122,
 pl. 23
Turdus poliocephalus samoensis, 122,
 pl. 23
Turdus poliocephalus tempesti, 122,
 pl. 23
Turdus poliocephalus vitiensis, 122,
 pl. 23
Turdus samoensis, 122
Turdus tempesti, 122
Turdus ulietensis, f121
Turdus vitiensis, 122
Turnstone, 55, pl. 11
tuta, *Alcedo*, 111
 Halcyon, 111, 111, pl. 21
 Halcyon tuta, 111, pl. 21
tutuila, *Aplonsis tabuensis*, 172,
 172
 Halcyon, 110
Tyto alba lulu, 100, pl. 20
Tyto capensis walleri, 101, pl. 20
TYTONIDAE, 100, 101
ulietanus, *Cyanoramphus*, 98, pl. 20
 Psittacus, 98
ulietensis, *Turdus*, f121
ultima, *Pterodroma*, 8, 8, pl. 2
ultramarina, *Vini*, 95, pl. 18
ultramarinus, *Psittacus*, 95
umbrina, *Zapornia*, 41
Urodynamis taitensis belli, 99
Urodynamis taitensis pheletes, 99
vaillanti, *Psittacus*, 85
vanikorensis, *Myiagra*, 143, 143,
 pl. 27
vanuensis, *Merula*, 122
variegatus, *Numenius phaeopus*, 52
 Tantalus, 52
varius, *Psittacus*, 94
vatuana, *Clytorhynchus vitiensis*,
 140, 140
vauana, *Lalage maculosa*, 114, 114
vaughani, *Acrocephalus*, 128
 Conopoderas, 127, 127, pl. 24
 Conopoderas vaughani, 127, pl. 24
 Tatare, 127
venerata, *Alcedo*, 110
 Halcyon, 110, pl. 21
 Halcyon venerata, 110, pl. 21
versicolor, *Mayrornis*, 138, 138,
 pl. 26
victor, *Chrysoena*, 81
 Ptilinopus, 81, 82, 82, pl. 16
 Ptilinopus victor, 81, pl. 16
victoriae, *Lamprolia*, 134, 134,
 pl. 24
 Lamprolia victoriae, 134, pl. 24
vini, *Lorius*, 94
Vini australis, 86, pl. 18
Vini coccinea, 87
Vini hendersoni, 94
Vini kuhlii, 87, pl. 18
Vini peruviana, 94, pl. 18
Vini stepheni, 94, pl. 18
Vini ultramarina, 95, pl. 18
viridior, *Ptilinopus dupetithouarsii*,
 80
 Ptilopus dupetithouarsi, 80
viridis, *Amoromyza*, 166
 Chrysoena, 83
 Gymnomyza, 166, pl. 29
 Gymnomyza viridis, 166, pl. 29
viridis, *Tatare*, 166
viridissima, *Columba*, 76
Vitia ruficapilla, 129
Vitia ruficapilla badiceps, 129
Vitia ruficapilla castaneoptera,
 129, 129

- Vitia ruficapilla funebris*, 129, 129
Vitia ruficapilla ruficapilla, 129,
 pl. 24
vitiensis, *Aplonis*, 174
 Aplonis tabuensis, 174
 Clytorhynchus, 139, 140, 140,
 141, 141, 142, 142, pl. 26
 Clytorhynchus vitiensis, 139
 Columba, 66, 66, 67, pl. 17
 Columba vitiensis, 66, pl. 17
 Dacelo, 108
 Halcyon chloris, 108, pl. 21
 Merula, 122
 Myiolestes, 139
 Pachycephala, 153
 Pachycephala pectoralis, 153,
 pl. 28
 Phlegoenas, 71
 Porphyrio, 43
 Porphyrio porphyrio, 43
 Porzana, 41
 Turdus, 122
 Turdus poliocephalus, 122, pl. 23
vulgaris, *Sturnus*, 180, 180, pl. 31
walleri, *Strix*, 101
 Tyto capensis, 101, pl. 20
 Warbler, Fiji, 129, pl. 24
 Long-billed, 123, pl. 24
 Long-legged, 128, pl. 24
 Pitcairn Island Reed-, 127, pl. 24
 Tuamotu, 125, pl. 24
 WARBLERS, OLD WORLD, 121-129,
 134-145, 152-156
 Waxbill, Common, 167, pl. 30
 WAXBILLS, 167-171
 Weaverbird, 168, pl. 30
 Whimbrel, 52, pl. 10
 Whistler, Golden, 153, pl. 28
 Samoan, 156, pl. 28
 Tonga, 155, pl. 28
 White-eye, Gray-backed, 160, pl. 27
 Layard's, 157, pl. 27
 Samoan, 157, pl. 27
 WHITE-EYES, 157, 160
whitmeei, *Lalage*, 114
 Lalage maculosa, 114
 Ptilonopus, 76
whitneyi, *Myiagra azureocapilla*,
 145, 145, pl. 27
 Pomarea, 138, 138, pl. 25
 Puffinus pacificus, 13
wiglesworthi, *Clytorhynchus*
 vitiensis, 141, 141
 Todirhamphus, 111
wilkesii, *Carpophaga*, 84
 Wood Rail, Samoan, 43, pl. 9
woodi, *Lalage*, 115
 Lalage maculosa, 115
 Wood-swallow, White-breasted, 181,
 pl. 31
 WOOD-SWALLOWS, 181
wortheni, *Oestrelata*, 8
xanthophrys, *Ptilotis*, 166
Xenus cinereus, 55, pl. 11
youngi, *Halcyon venerata*, 110
 Todirhamphus, 110
Zapornia umbrina, 41
zealandicus, *Cyanoramphus*, 97,
 pl. 20
 Psittacus, 97
Zoonava francica oberholseri, 106
 ZOSTEROPIDAE, 157, 160
Zosterops caerulescens var.
 kandavensis, 160
Zosterops explorator, 157, 157,
 pl. 27
Zosterops flaviceps, 160
Zosterops lateralis flaviceps, 160,
 pl. 27
Zosterops lateralis lateralis, 160,
 pl. 27
Zosterops lateralis mugga, 160
Zosterops samoensis, 157, 157,
 pl. 27

LINE ISLANDS

Nuk

Vostok Island

Caroline Island

Flint Island

Rangiroa

Takaroa

TUAMOO

Makatea

Fakarava

Tetiaroa

Apataki

Raraka

Bora-Bora

Tahaa

Raiatea

Moorea

Tahiti

Mehetia

Anaa

Hiki

SOCIETY ISLANDS

Duke of Gloucester Islands

Maria

Rimatara

Rurutu

Tubuai

Raevavae

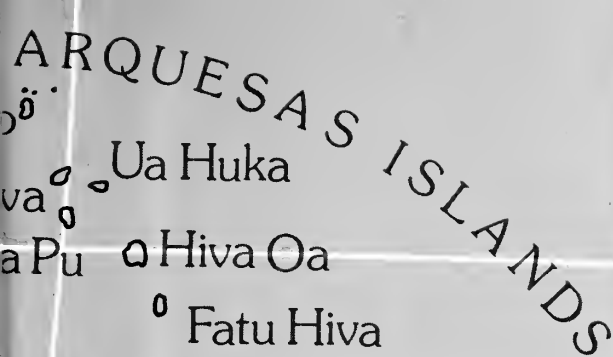
Tematangi

Muru

AUSTRAL ISLANDS

Rapa Bass Islands

ARQUESAS ISLANDS

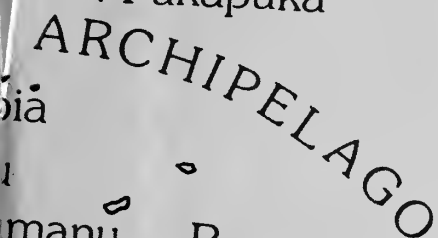


Ua Huka
Hiva Oa
Fatu Hiva

Disappointment Islands

Pukapuka

ARCHIPELAGO



Reao
Vahitahi
Tureia
Marutea
Magareva
Gambier Islands
Oen
Pitcairn

(Continued from front flap)

A brief description supplements the color plates, and often includes plumage not figured.

Original citations are given to scientific names that have been applied to South Pacific birds, and a standard English name has been chosen from among those in the most recent literature.

Type localities are added in parentheses at the end of each bibliographic reference; islands from which the birds have been recorded are listed alphabetically within the major groups.

Finally, a brief note on the life histories of some species is given in the "Remarks" section.

LINE ISLANDS

Vostok Island

Caroline Island

Flint Island

Nuku

Takaroa

TUAMOTU

Rangiroa

Makatea

Huahine

Bora-Bora

Tahaa

Raiatea

Moorea

Tahiti

Fakarava

Tetiaroa

Mehetia

Apataki

Raraka

Anaa

Hik

SOCIETY ISLANDS

Duke of Gloucester Islands

Maria

Rimatara

Rurutu

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Tematangi

Muru

AUSTRAL ISLANDS

Rapa Bass Islands

ARQUESAS ISLANDS

Ua Huka
Hiva Oa
Fatu Hiva

appointment Islands

Pukapuka

ARCHIPELAGO

Reao
Vahitahi

Tureia

Marutea

Magareva

Gambier Islands

Oeno

Ducie
Henderson Island
Pitcairn Island

About the author: *John duPont invented the 30-hour day. Rarely has one man been able to accomplish so much in so many diversified disciplines as he has: his fields of interest are varied; his achievements in each are noteworthy.*

As a naturalist, he has explored all the world's oceans, collecting shells for a book he co-authored in 1970, Living Volutes. He has led many scientific expeditions to remote islands of the Pacific to accumulate ornithological data. This present volume and its predecessor, Philippine Birds (published in 1971), as well as the dozens of articles he has written for professional journals, are the results of his efforts to make a significant scholarly contribution to research in ornithology.

His enthusiasm for natural history ultimately led to his founding the Delaware Museum of Natural History, the only major natural history museum in the United States to be built during this century. He serves as the museum's director and is president of its board of trustees. The museum, which is open to the public, provides instruction to school children in the Philadelphia-Wilmington, Delaware area. John duPont himself has delivered lectures and slide programs in his community's schools—all as part of his on-going dedication to making youth aware of their natural heritage.

But John duPont the author/naturalist is only part of the picture: there is John duPont the athlete. He has served on the US Olympic Committee and has supported the modern pentathlon as both sponsor and participant (1965 Australian champion). He also serves as chairman of the board of trustees for the International Swimming Hall of Fame—competitive swimming being one of his long-time interests.

There is evident in all his pursuits the dedication to perfection, winning for John duPont the admiration of all scholar-athletes.